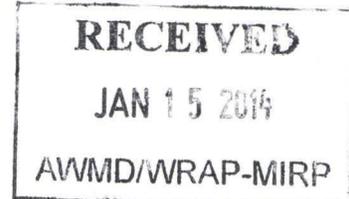


file



**Environmental  
Operations, Inc.**  
CLEARING THE WAY



January 14, 2014

Mr. Michael Dandurand  
U.S. Environmental Protection Agency, Region 7  
11201 Renner Boulevard  
Mail Code: AWMDWRAP  
Lenexa, KS 66219

RE: PCB Removal  
Solutia – John F. Queeny Plant  
St. Louis, Missouri  
**EPA ID No. MOD 004 954 111**

RCRA



Dear Mr. Dandurand:

Original work for the excavation and disposal of PCBs in the VV Building Area was approved as part of the Interim Measures Work Plan for the referenced site. The work plan was approved on March 11, 2009 by Ms. Stephanie Doolan. The original PCB excavation and disposal was conducted in between November 2010 and January 2011. The excavation work terminated upon obtaining wall and floor confirmation samples indicating the 100 ppm goal had been achieved. Material with greater than 100 parts per million (ppm) was disposed at Heritage's Roachdale facility.

Subsequent delineation per the approved plan to identify areas below 100 but above 10 ppm for purposes of a restrictive covenant indicated areas which had PCBs above the 100 ppm goal. Furthermore, the impacted areas were typically overlain by four feet of material which was below 100 ppm. Attached are a draft figure, a summary analytical table, and the analytical data from that delineation to assist your review. The nomenclature on the sample identification (i.e. IMWP-VV-SP-02-5ft) is based upon task, area of concern, soil probe location, and depth. In this example, it is from location 2 at a depth of 5 feet.

We would like to modify the original plan to reflect the presence of material which would not have to be removed and disposed, but would need to be excavated for the purpose of accessing the material which does require offsite disposal. We propose removing and stockpiling soil from up to one foot above the depth at which prior testing indicated soil with greater than 100 ppm PCB was found. We would place the material in 20-yard piles on plastic. Three aliquots from each 20-yard pile would be combined to yield one sample for analytical testing to confirm prior results and appropriateness of placement back in the hole upon completion. If results are greater than 100 ppm, that stockpile would be identified as requiring disposal offsite in a permitted facility. Otherwise, the material would be placed in the excavation first during backfill activities, with clean fill placed over it. Typical thickness of clean fill placed over this material will vary, but will likely be a minimum of four feet, as the typical excavation of material for disposal occurs below four feet and extends to eight or nine feet below grade. As previously communicated, we anticipate between 100 and 200 yards may require offsite disposal.

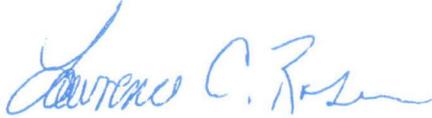
Environmental Consulting & Remediation, Demolition, & Geotechnical Engineering  
1530 South Second Street • Saint Louis, Missouri 63104-4500 • 314-241-0900

[www.environmentalops.com](http://www.environmentalops.com)

Mr. Michael Dandurand  
January 14, 2014

We look forward to obtaining your approval for this modification so that we can complete this task. If there are questions or concerns, please contact me by phone at (314) 480-4694, or via email at [larryr@environmentalops.com](mailto:larryr@environmentalops.com).

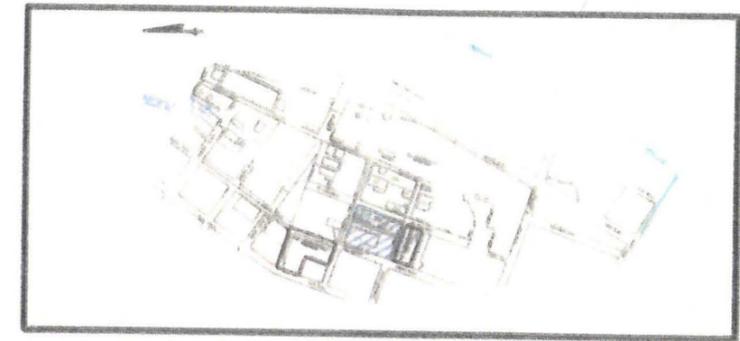
Respectfully submitted,  
ENVIRONMENTAL OPERATIONS, INC.



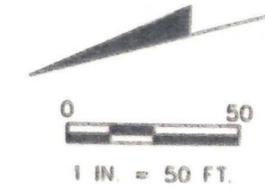
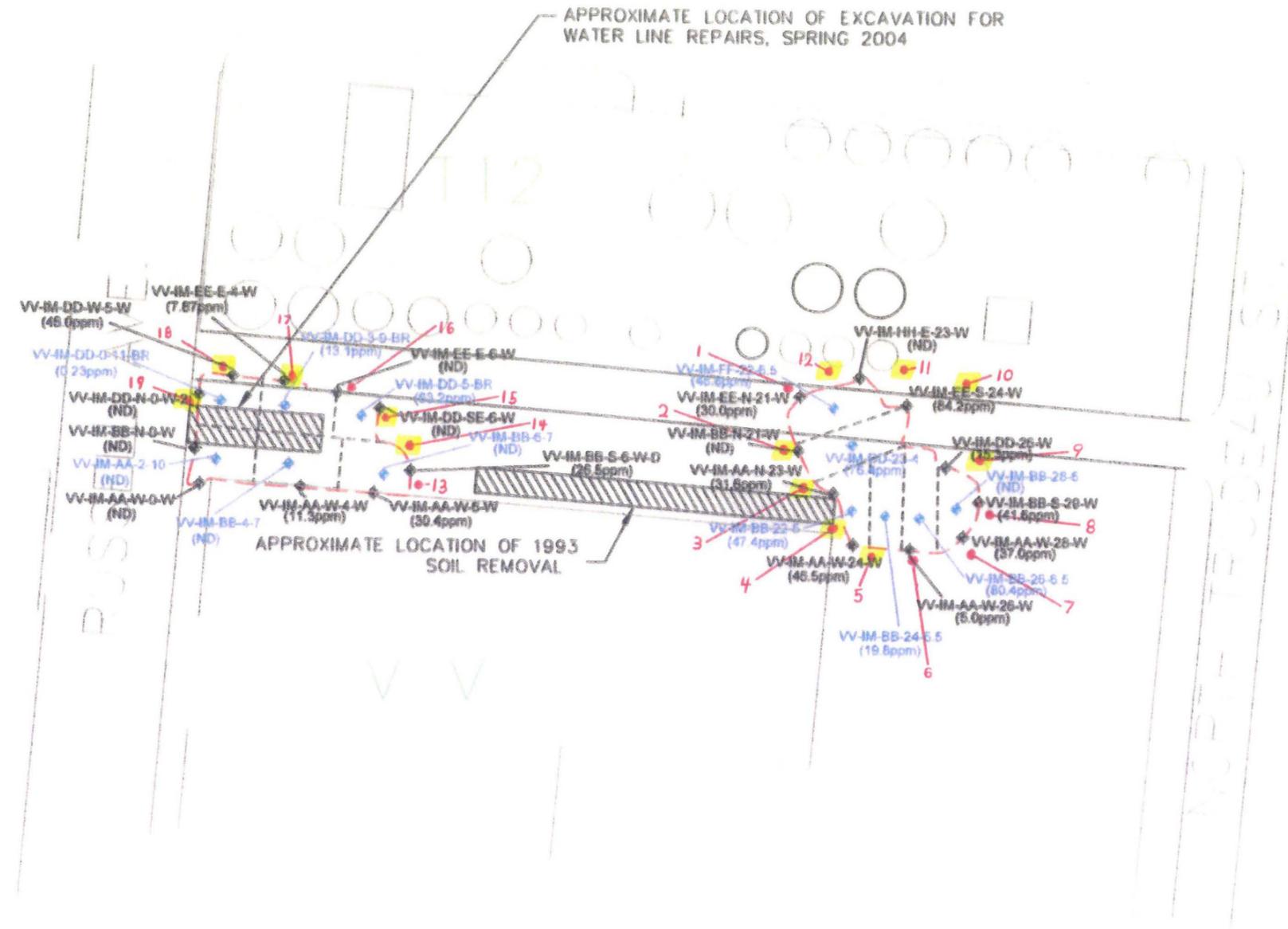
Lawrence C. Rosen, R.G.  
Senior Project Manager

Attachments: Location Plan  
Table - Summary Analytical Results  
Laboratory Report

Copy: Mr. Bruce Morrison  
Ms. Christine Kump-Mitchell/MDNR  
Mr. Rich Nussbaum/ MDNR  
Mr. Michael House/Solutia



KEY MAP



- LEGEND:**
-  APPROXIMATE LOCATION OF PRIOR EXCAVATIONS
  -  FENCE
  -  Approximate Extent of Excavation
  -  Wall Samples (Approximate Locations)
  -  Floor Samples (Approximate Locations)
  -  Location with planned soil excavation

**Sample Locations and Excavation Areas  
 VV Building Area (DRAFT)  
 Former Solutia Queeny Plant  
 Saint Louis, Missouri**

3/14/2011 11:25 AM MDS Eng/2002 and 1/1/00 to New Sampling Locations VV Building March 7 2011.rpt

Summary PCB Delineation Analytical Results - VV Building Area  
Solutia Queeny Site

<b>Location/ID</b>	<b>IMWP-VV-SP-01</b>	<b>Total Arochlor (mg/Kg)</b>	<b>Location/ID</b>	<b>IMWP-VV-SP-11</b>	<b>Total Arochlor (mg/Kg)</b>
Depth (ft.)	1	0.354	Depth (ft.)	1	0.1388
	5	82.19		4.5	3820
	9	22.892		8	1333
				8(duplicate)	5070
<b>Location/ID</b>	<b>IMWP-VV-SP-02</b>	<b>Total Arochlor (mg/Kg)</b>	<b>Location/ID</b>	<b>IMWP-VV-SP-12</b>	<b>Total Arochlor (mg/Kg)</b>
Depth (ft.)	1.5	0.2593	Depth (ft.)	1.5	58.93
	5	140.19		4	95.57
	9.5	12.823		8	744
<b>Location/ID</b>	<b>IMWP-VV-SP-03</b>	<b>Total Arochlor (mg/Kg)</b>	<b>Location/ID</b>	<b>IMWP-VV-SP-13</b>	<b>Total Arochlor (mg/Kg)</b>
Depth (ft.)	1	7.024	Depth (ft.)	1.5	0.0967
	4.5	4.455		4.5	1.945
	8.5	626		9	25.98
<b>Location/ID</b>	<b>IMWP-VV-SP-04</b>	<b>Total Arochlor (mg/Kg)</b>	<b>Location/ID</b>	<b>IMWP-VV-SP-14</b>	<b>Total Arochlor (mg/Kg)</b>
Depth (ft.)	1.5	29.37	Depth (ft.)	1	23.37
	4.5	103.97		5	59.1
	8	98.9		10	259.2
<b>Location/ID</b>	<b>IMWP-VV-SP-05</b>	<b>Total Arochlor (mg/Kg)</b>	<b>Location/ID</b>	<b>IMWP-VV-SP-15</b>	<b>Total Arochlor (mg/Kg)</b>
Depth (ft.)	1.5	13.79	Depth (ft.)	1.5	0.122
	4	237.42		4.5	7.5937
	5.5	22.265		9	257.57
<b>Location/ID</b>	<b>IMWP-VV-SP-06</b>	<b>Total Arochlor (mg/Kg)</b>	<b>Location/ID</b>	<b>IMWP-VV-SP-16</b>	<b>Total Arochlor (mg/Kg)</b>
Depth (ft.)	1	0.1851	Depth (ft.)	1	ND
	4	0.841		1(duplicate)	0.0306
	6.5	57.78		5	0.1058
<b>Location/ID</b>	<b>IMWP-VV-SP-07</b>	<b>Total Arochlor (mg/Kg)</b>		10	ND
Depth (ft.)	1.5	3.337	<b>Location/ID</b>	<b>IMWP-VV-SP-17</b>	<b>Total Arochlor (mg/Kg)</b>
	4	0.1918	Depth (ft.)	1.5	ND
	7	ND		5	0.031
<b>Location/ID</b>	<b>IMWP-VV-SP-08</b>	<b>Total Arochlor (mg/Kg)</b>		10	459.8
Depth (ft.)	1.5	0.5689	<b>Location/ID</b>	<b>IMWP-VV-SP-18</b>	<b>Total Arochlor (mg/Kg)</b>
	4	0.1749	Depth (ft.)	1	0.6225
	7	72		5	1504.8
<b>Location/ID</b>	<b>IMWP-VV-SP-09</b>	<b>Total Arochlor (mg/Kg)</b>		10	1987.2
Depth (ft.)	1	10.52	<b>Location/ID</b>	<b>IMWP-VV-SP-19</b>	<b>Total Arochlor (mg/Kg)</b>
	4	37.21	Depth (ft.)	1	5.45
	7.5	12.76		4.5	0.308
	7.5(duplicate)	188.4		9.5	540.8
<b>Location/ID</b>	<b>IMWP-VV-SP-10</b>	<b>Total Arochlor (mg/Kg)</b>		9.5(duplicate)	467.7
Depth (ft.)	1	10.59			
	5	232.4			
	9	2868			
	9(duplicate)	83.7			

February 01, 2013

Larry Rosen  
Environmental Operations, Inc.  
1530 South Second Street, Suite 200  
St. Louis, MO 63104  
TEL: (314) 480-4694  
FAX: (314) 436-2900



**RE:** Solutia 2950

**WorkOrder:** 13011093

Dear Larry Rosen:

TEKLAB, INC received 63 samples on 1/24/2013 4:00:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Michael L. Austin  
Project Manager  
(618)344-1004 ex 16  
MAustin@teklabinc.com



## Definitions

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

### Abbr Definition

- CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DNI Did not ignite
- DUP Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
- ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- IDPH IL Dept. of Public Health
- LCS Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
- LCS D Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
- MB Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
- MDL Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.
- MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
- MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
- MW Molecular weight
- ND Not Detected at the Reporting Limit
- NELAP NELAP Accredited
- PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
- RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
- SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
- Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
- TNTC Too numerous to count ( > 200 CFU )

### Qualifiers

- |  |  |
|--|--|
| # - Unknown hydrocarbon                        | B - Analyte detected in associated Method Blank        |
| E - Value above quantitation range             | H - Holding times exceeded                             |
| J - Analyte detected below quantitation limits | M - Manual Integration used to determine area response |
| ND - Not Detected at the Reporting Limit       | R - RPD outside accepted recovery limits               |
| S - Spike Recovery outside recovery limits     | X - Value exceeds Maximum Contaminant Level            |



**Case Narrative**

<http://www.teklabinc.com/>

**Client:** Environmental Operations, Inc.

**Work Order:** 13011093

**Client Project:** Solutia 2950

**Report Date:** 01-Feb-13

**Cooler Receipt Temp:** 1.4 °C

**Locations and Accreditations**

**Collinsville**

**Address** 5445 Horseshoe Lake Road  
Collinsville, IL 62234-7425

**Phone** (618) 344-1004

**Fax** (618) 344-1005

**Email** jhriley@teklabinc.com

**Springfield**

**Address** 3920 Pintail Dr  
Springfield, IL 62711-9415

**Phone** (217) 698-1004

**Fax** (217) 698-1005

**Email** KKlostermann@teklabinc.com

**Kansas City**

**Address** 8421 Nieman Road  
Lenexa, KS 66214

**Phone** (913) 541-1998

**Fax** (913) 541-1998

**Email** dthompson@teklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2014	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2014	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2013	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2013	Springfield
Texas	TCEQ	T104704515-12-1	NELAP	7/31/2013	Collinsville
Arkansas	ADEQ	88-0966		3/14/2013	Collinsville
Illinois	IDPH	17584		4/30/2013	Collinsville
Kentucky	UST	0073		5/26/2013	Collinsville
Missouri	MDNR	00930		4/13/2013	Collinsville
Oklahoma	ODEQ	9978		8/31/2013	Collinsville



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-001

Client Sample ID: IMWP-VV-SP-01-1 ft

Matrix: SOLID

Collection Date: 01/23/2013 9:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		12.6	%	1	01/25/2013 15:36	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.0428		ND	mg/Kg-dry	1	01/28/2013 10:48	85215
Aroclor 1221	NELAP	0.0428		ND	mg/Kg-dry	1	01/28/2013 10:48	85215
Aroclor 1232	NELAP	0.0428		ND	mg/Kg-dry	1	01/28/2013 10:48	85215
Aroclor 1242	NELAP	0.0428		ND	mg/Kg-dry	1	01/28/2013 10:48	85215
Aroclor 1248	NELAP	0.0428		0.329	mg/Kg-dry	1	01/28/2013 10:48	85215
Aroclor 1254	NELAP	0.0428		ND	mg/Kg-dry	1	01/28/2013 10:48	85215
Aroclor 1260	NELAP	0.0428	J	0.025	mg/Kg-dry	1	01/28/2013 10:48	85215
Surr: Decachlorobiphenyl		5-156		97.4	%REC	1	01/28/2013 10:48	85215
Surr: Tetrachloro-meta-xylene		7.35-123		54.7	%REC	1	01/28/2013 10:48	85215



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-002

Client Sample ID: IMWP-VV-SP-01-5 ft

Matrix: SOLID

Collection Date: 01/23/2013 9:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		18.0	%	1	01/25/2013 15:36	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.0457		ND	mg/Kg-dry	1	01/28/2013 11:06	85215
Aroclor 1221	NELAP	0.0457		ND	mg/Kg-dry	1	01/28/2013 11:06	85215
Aroclor 1232	NELAP	0.0457		ND	mg/Kg-dry	1	01/28/2013 11:06	85215
Aroclor 1242	NELAP	0.0457		ND	mg/Kg-dry	1	01/28/2013 11:06	85215
Aroclor 1248	NELAP	11.4		80.6	mg/Kg-dry	250	01/29/2013 18:06	85215
Aroclor 1254	NELAP	0.0457		ND	mg/Kg-dry	1	01/28/2013 11:06	85215
Aroclor 1260	NELAP	0.457		1.59	mg/Kg-dry	10	01/29/2013 17:49	85215
Surr: Decachlorobiphenyl		5-156		94.1	%REC	1	01/28/2013 11:06	85215
Surr: Tetrachloro-meta-xylene		7.35-123		74.2	%REC	1	01/28/2013 11:06	85215



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-003

Client Sample ID: IMWP-VV-SP-01-9 ft

Matrix: SOLID

Collection Date: 01/23/2013 9:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		17.7	%	1	01/25/2013 15:37	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.0454		ND	mg/Kg-dry	1	01/28/2013 11:23	85215
Aroclor 1221	NELAP	0.0454		ND	mg/Kg-dry	1	01/28/2013 11:23	85215
Aroclor 1232	NELAP	0.0454		ND	mg/Kg-dry	1	01/28/2013 11:23	85215
Aroclor 1242	NELAP	0.0454		ND	mg/Kg-dry	1	01/28/2013 11:23	85215
Aroclor 1248	NELAP	2.27		22.5	mg/Kg-dry	50	01/29/2013 18:23	85215
Aroclor 1254	NELAP	0.0454		ND	mg/Kg-dry	1	01/28/2013 11:23	85215
Aroclor 1260	NELAP	0.0454		0.392	mg/Kg-dry	1	01/28/2013 11:23	85215
Surr: Decachlorobiphenyl		5-156		100.7	%REC	1	01/28/2013 11:23	85215
Surr: Tetrachloro-meta-xylene		7.35-123		68.7	%REC	1	01/28/2013 11:23	85215



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-004

Client Sample ID: IMWP-VV-SP-02-1.5 ft

Matrix: SOLID

Collection Date: 01/23/2013 9:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		13.9	%	1	01/25/2013 15:37	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.0435		ND	mg/Kg-dry	1	01/28/2013 11:40	85215
Aroclor 1221	NELAP	0.0435		ND	mg/Kg-dry	1	01/28/2013 11:40	85215
Aroclor 1232	NELAP	0.0435		ND	mg/Kg-dry	1	01/28/2013 11:40	85215
Aroclor 1242	NELAP	0.0435		ND	mg/Kg-dry	1	01/28/2013 11:40	85215
Aroclor 1248	NELAP	0.0435		0.142	mg/Kg-dry	1	01/28/2013 11:40	85215
Aroclor 1254	NELAP	0.0435		0.0825	mg/Kg-dry	1	01/28/2013 11:40	85215
Aroclor 1260	NELAP	0.0435	J	0.0348	mg/Kg-dry	1	01/28/2013 11:40	85215
Surr: Decachlorobiphenyl		5-156		93.3	%REC	1	01/28/2013 11:40	85215
Surr: Tetrachloro-meta-xylene		7.35-123		71.4	%REC	1	01/28/2013 11:40	85215



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-005

Client Sample ID: IMWP-VV-SP-02-5 ft

Matrix: SOLID

Collection Date: 01/23/2013 9:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		18.8	%	1	01/25/2013 15:37	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.0461		ND	mg/Kg-dry	1	01/28/2013 11:57	85215
Aroclor 1221	NELAP	0.0461		ND	mg/Kg-dry	1	01/28/2013 11:57	85215
Aroclor 1232	NELAP	0.0461		ND	mg/Kg-dry	1	01/28/2013 11:57	85215
Aroclor 1242	NELAP	11.5		139	mg/Kg-dry	250	01/29/2013 18:58	85215
Aroclor 1248	NELAP	0.0461		ND	mg/Kg-dry	1	01/28/2013 11:57	85215
Aroclor 1254	NELAP	0.0461		ND	mg/Kg-dry	1	01/28/2013 11:57	85215
Aroclor 1260	NELAP	0.461		1.19	mg/Kg-dry	10	01/29/2013 18:40	85215
Surr: Decachlorobiphenyl		5-156		90.5	%REC	1	01/28/2013 11:57	85215
Surr: Tetrachloro-meta-xylene		7.35-123		61.7	%REC	1	01/28/2013 11:57	85215



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-006

Client Sample ID: IMWP-VV-SP-02-9.5 ft

Matrix: SOLID

Collection Date: 01/23/2013 9:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		14.0	%	1	01/25/2013 15:37	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.0437		ND	mg/Kg-dry	1	01/28/2013 12:14	85215
Aroclor 1221	NELAP	0.0437		ND	mg/Kg-dry	1	01/28/2013 12:14	85215
Aroclor 1232	NELAP	0.0437		ND	mg/Kg-dry	1	01/28/2013 12:14	85215
Aroclor 1242	NELAP	2.18		12.6	mg/Kg-dry	50	01/29/2013 19:15	85215
Aroclor 1248	NELAP	0.0437		ND	mg/Kg-dry	1	01/28/2013 12:14	85215
Aroclor 1254	NELAP	0.0437		ND	mg/Kg-dry	1	01/28/2013 12:14	85215
Aroclor 1260	NELAP	0.0437		0.223	mg/Kg-dry	1	01/28/2013 12:14	85215
Surr: Decachlorobiphenyl		5-156		96.0	%REC	1	01/28/2013 12:14	85215
Surr: Tetrachloro-meta-xylene		7.35-123		66.0	%REC	1	01/28/2013 12:14	85215



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-007

Client Sample ID: IMWP-VV-SP-03-1 ft

Matrix: SOLID

Collection Date: 01/23/2013 8:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		16.2	%	1	01/25/2013 15:37	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.0445		ND	mg/Kg-dry	1	01/28/2013 12:31	85215
Aroclor 1221	NELAP	0.0445		ND	mg/Kg-dry	1	01/28/2013 12:31	85215
Aroclor 1232	NELAP	0.0445		ND	mg/Kg-dry	1	01/28/2013 12:31	85215
Aroclor 1242	NELAP	0.0445		ND	mg/Kg-dry	1	01/28/2013 12:31	85215
Aroclor 1248	NELAP	0.445		4.41	mg/Kg-dry	10	01/29/2013 19:32	85215
Aroclor 1254	NELAP	0.445		2.16	mg/Kg-dry	10	01/29/2013 19:32	85215
Aroclor 1260	NELAP	0.0445		0.454	mg/Kg-dry	1	01/28/2013 12:31	85215
Surr: Decachlorobiphenyl		5-156		102.0	%REC	1	01/28/2013 12:31	85215
Surr: Tetrachloro-meta-xylene		7.35-123		77.9	%REC	1	01/28/2013 12:31	85215



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-008

Client Sample ID: IMWP-VV-SP-03-4.5 ft

Matrix: SOLID

Collection Date: 01/23/2013 8:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		17.8	%	1	01/25/2013 15:37	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.0455		ND	mg/Kg-dry	1	01/28/2013 12:49	85215
Aroclor 1221	NELAP	0.0455		ND	mg/Kg-dry	1	01/28/2013 12:49	85215
Aroclor 1232	NELAP	0.0455		ND	mg/Kg-dry	1	01/28/2013 12:49	85215
Aroclor 1242	NELAP	0.455		3.42	mg/Kg-dry	10	01/29/2013 19:49	85215
Aroclor 1248	NELAP	0.0455		ND	mg/Kg-dry	1	01/28/2013 12:49	85215
Aroclor 1254	NELAP	0.455		0.887	mg/Kg-dry	10	01/29/2013 19:49	85215
Aroclor 1260	NELAP	0.0455		0.148	mg/Kg-dry	1	01/28/2013 12:49	85215
Surr: Decachlorobiphenyl		5-156		74.6	%REC	1	01/28/2013 12:49	85215
Surr: Tetrachloro-meta-xylene		7.35-123		55.0	%REC	1	01/28/2013 12:49	85215



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-009

Client Sample ID: IMWP-VV-SP-03-8.5 ft

Matrix: SOLID

Collection Date: 01/23/2013 8:55

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		19.6	%	1	01/25/2013 15:38	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	46.7		ND	mg/Kg-dry	1000	01/29/2013 20:23	85215
Aroclor 1221	NELAP	46.7		ND	mg/Kg-dry	1000	01/29/2013 20:23	85215
Aroclor 1232	NELAP	46.7		ND	mg/Kg-dry	1000	01/29/2013 20:23	85215
Aroclor 1242	NELAP	46.7		508	mg/Kg-dry	1000	01/29/2013 20:23	85215
Aroclor 1248	NELAP	46.7		ND	mg/Kg-dry	1000	01/29/2013 20:23	85215
Aroclor 1254	NELAP	46.7		118	mg/Kg-dry	1000	01/29/2013 20:23	85215
Aroclor 1260	NELAP	46.7		ND	mg/Kg-dry	1000	01/29/2013 20:23	85215
Surr: Decachlorobiphenyl		5-156		8.3	%REC	1	01/28/2013 13:06	85215
Surr: Tetrachloro-meta-xylene		7.35-123		68.5	%REC	1	01/28/2013 13:06	85215

*Elevated reporting limit due to high levels of target analytes.*



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-010

Client Sample ID: IMWP-VV-SP-04-1.5 ft

Matrix: SOLID

Collection Date: 01/23/2013 9:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		15.0	%	1	01/25/2013 15:38	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.044		ND	mg/Kg-dry	1	01/28/2013 13:23	85215
Aroclor 1221	NELAP	0.044		ND	mg/Kg-dry	1	01/28/2013 13:23	85215
Aroclor 1232	NELAP	0.044		ND	mg/Kg-dry	1	01/28/2013 13:23	85215
Aroclor 1242	NELAP	2.2		21.9	mg/Kg-dry	50	01/29/2013 20:58	85215
Aroclor 1248	NELAP	0.044		ND	mg/Kg-dry	1	01/28/2013 13:23	85215
Aroclor 1254	NELAP	0.44		5.67	mg/Kg-dry	10	01/29/2013 20:41	85215
Aroclor 1260	NELAP	0.44		1.8	mg/Kg-dry	10	01/29/2013 20:41	85215
Surr: Decachlorobiphenyl		5-156		107.0	%REC	1	01/28/2013 13:23	85215
Surr: Tetrachloro-meta-xylene		7.35-123		91.9	%REC	1	01/28/2013 13:23	85215



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.  
 Client Project: Solutia 2950  
 Lab ID: 13011093-011  
 Matrix: SOLID

Work Order: 13011093  
 Report Date: 01-Feb-13  
 Client Sample ID: IMWP-VV-SP-04-4.5 ft  
 Collection Date: 01/23/2013 9:55

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		18.1	%	1	01/25/2013 15:38	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.0456		ND	mg/Kg-dry	1	01/28/2013 13:40	85215
Aroclor 1221	NELAP	0.0456		ND	mg/Kg-dry	1	01/28/2013 13:40	85215
Aroclor 1232	NELAP	0.0456		ND	mg/Kg-dry	1	01/28/2013 13:40	85215
Aroclor 1242	NELAP	11.4		83.4	mg/Kg-dry	250	01/29/2013 21:32	85215
Aroclor 1248	NELAP	0.0456		ND	mg/Kg-dry	1	01/28/2013 13:40	85215
Aroclor 1254	NELAP	1.14		14.6	mg/Kg-dry	25	01/29/2013 21:15	85215
Aroclor 1260	NELAP	1.14		5.97	mg/Kg-dry	25	01/29/2013 21:15	85215
Surr: Decachlorobiphenyl		5-156		87.0	%REC	1	01/28/2013 13:40	85215
Surr: Tetrachloro-meta-xylene		7.35-123		57.3	%REC	1	01/28/2013 13:40	85215



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-012

Client Sample ID: IMWP-VV-SP-04-8 ft

Matrix: SOLID

Collection Date: 01/23/2013 10:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		18.0	%	1	01/25/2013 15:38	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.0456		ND	mg/Kg-dry	1	01/28/2013 13:57	85215
Aroclor 1221	NELAP	0.0456		ND	mg/Kg-dry	1	01/28/2013 13:57	85215
Aroclor 1232	NELAP	0.0456		ND	mg/Kg-dry	1	01/28/2013 13:57	85215
Aroclor 1242	NELAP	11.4		70.9	mg/Kg-dry	250	01/29/2013 22:07	85215
Aroclor 1248	NELAP	0.0456		ND	mg/Kg-dry	1	01/28/2013 13:57	85215
Aroclor 1254	NELAP	11.4		23.9	mg/Kg-dry	250	01/29/2013 22:07	85215
Aroclor 1260	NELAP	0.456		4.1	mg/Kg-dry	10	01/29/2013 21:49	85215
Surr: Decachlorobiphenyl		5-156		118.8	%REC	1	01/28/2013 13:57	85215
Surr: Tetrachloro-meta-xylene		7.35-123		74.6	%REC	1	01/28/2013 13:57	85215



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-013

Client Sample ID: IMWP-VV-SP-05-1.5 ft

Matrix: SOLID

Collection Date: 01/23/2013 10:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		7.1	%	1	01/25/2013 15:38	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.04		ND	mg/Kg-dry	1	01/28/2013 14:14	85215
Aroclor 1221	NELAP	0.04		ND	mg/Kg-dry	1	01/28/2013 14:14	85215
Aroclor 1232	NELAP	0.04		ND	mg/Kg-dry	1	01/28/2013 14:14	85215
Aroclor 1242	NELAP	0.04		ND	mg/Kg-dry	1	01/28/2013 14:14	85215
Aroclor 1248	NELAP	1		6.69	mg/Kg-dry	25	01/29/2013 22:24	85215
Aroclor 1254	NELAP	1		4.71	mg/Kg-dry	25	01/29/2013 22:24	85215
Aroclor 1260	NELAP	1		2.39	mg/Kg-dry	25	01/29/2013 22:24	85215
Surr: Decachlorobiphenyl		5-156		74.1	%REC	1	01/28/2013 14:14	85215
Surr: Tetrachloro-meta-xylene		7.35-123		94.5	%REC	1	01/28/2013 14:14	85215



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-014

Client Sample ID: IMWP-VV-SP-05-4 ft

Matrix: SOLID

Collection Date: 01/23/2013 10:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		14.4	%	1	01/25/2013 15:39	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.0438		ND	mg/Kg-dry	1	01/28/2013 14:32	85215
Aroclor 1221	NELAP	0.0438		ND	mg/Kg-dry	1	01/28/2013 14:32	85215
Aroclor 1232	NELAP	0.0438		ND	mg/Kg-dry	1	01/28/2013 14:32	85215
Aroclor 1242	NELAP	43.8		234	mg/Kg-dry	1000	01/29/2013 22:58	85215
Aroclor 1248	NELAP	0.0438		ND	mg/Kg-dry	1	01/28/2013 14:32	85215
Aroclor 1254	NELAP	0.0438		ND	mg/Kg-dry	1	01/28/2013 14:32	85215
Aroclor 1260	NELAP	1.09		3.42	mg/Kg-dry	25	01/29/2013 22:41	85215
Surr: Decachlorobiphenyl		5-156		94.5	%REC	1	01/28/2013 14:32	85215
Surr: Tetrachloro-meta-xylene		7.35-123		100.5	%REC	1	01/28/2013 14:32	85215



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.  
 Client Project: Solutia 2950  
 Lab ID: 13011093-015  
 Matrix: SOLID

Work Order: 13011093  
 Report Date: 01-Feb-13

Client Sample ID: IMWP-VV-SP-05-5.5 ft  
 Collection Date: 01/23/2013 10:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		18.2	%	1	01/25/2013 15:39	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.0459		ND	mg/Kg-dry	1	01/28/2013 14:49	85215
Aroclor 1221	NELAP	0.0459		ND	mg/Kg-dry	1	01/28/2013 14:49	85215
Aroclor 1232	NELAP	0.0459		ND	mg/Kg-dry	1	01/28/2013 14:49	85215
Aroclor 1242	NELAP	2.3		18	mg/Kg-dry	50	01/29/2013 23:32	85215
Aroclor 1248	NELAP	0.0459		ND	mg/Kg-dry	1	01/28/2013 14:49	85215
Aroclor 1254	NELAP	0.459		3.55	mg/Kg-dry	10	01/29/2013 23:15	85215
Aroclor 1260	NELAP	0.459		0.715	mg/Kg-dry	10	01/29/2013 23:15	85215
Surr: Decachlorobiphenyl		5-156		33.3	%REC	1	01/28/2013 14:49	85215
Surr: Tetrachloro-meta-xylene		7.35-123		100.2	%REC	1	01/28/2013 14:49	85215



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-016

Client Sample ID: IMWP-VV-SP-06-1 ft

Matrix: SOLID

Collection Date: 01/23/2013 10:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		13.4	%	1	01/25/2013 15:39	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.0434		ND	mg/Kg-dry	1	01/28/2013 15:06	85215
Aroclor 1221	NELAP	0.0434		ND	mg/Kg-dry	1	01/28/2013 15:06	85215
Aroclor 1232	NELAP	0.0434		ND	mg/Kg-dry	1	01/28/2013 15:06	85215
Aroclor 1242	NELAP	0.0434		0.0551	mg/Kg-dry	1	01/28/2013 15:06	85215
Aroclor 1248	NELAP	0.0434		ND	mg/Kg-dry	1	01/28/2013 15:06	85215
Aroclor 1254	NELAP	0.0434		ND	mg/Kg-dry	1	01/28/2013 15:06	85215
Aroclor 1260	NELAP	0.0434		0.13	mg/Kg-dry	1	01/28/2013 15:06	85215
Surr: Decachlorobiphenyl		5-156		108.2	%REC	1	01/28/2013 15:06	85215
Surr: Tetrachloro-meta-xylene		7.35-123		97.8	%REC	1	01/28/2013 15:06	85215



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-017

Client Sample ID: IMWP-VV-SP-06-4 ft

Matrix: SOLID

Collection Date: 01/23/2013 10:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		8.3	%	1	01/25/2013 15:39	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.0409		ND	mg/Kg-dry	1	01/28/2013 15:23	85215
Aroclor 1221	NELAP	0.0409		ND	mg/Kg-dry	1	01/28/2013 15:23	85215
Aroclor 1232	NELAP	0.0409		ND	mg/Kg-dry	1	01/28/2013 15:23	85215
Aroclor 1242	NELAP	0.0409		ND	mg/Kg-dry	1	01/28/2013 15:23	85215
Aroclor 1248	NELAP	0.0409		0.292	mg/Kg-dry	1	01/28/2013 15:23	85215
Aroclor 1254	NELAP	0.0409		0.442	mg/Kg-dry	1	01/28/2013 15:23	85215
Aroclor 1260	NELAP	0.0409		0.107	mg/Kg-dry	1	01/28/2013 15:23	85215
Surr: Decachlorobiphenyl		5-156		102.2	%REC	1	01/28/2013 15:23	85215
Surr: Tetrachloro-meta-xylene		7.35-123		96.6	%REC	1	01/28/2013 15:23	85215



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-018

Client Sample ID: IMWP-VV-SP-06-6.5 ft

Matrix: SOLID

Collection Date: 01/23/2013 10:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		15.6	%	1	01/25/2013 15:40	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.0443		ND	mg/Kg-dry	1	01/28/2013 15:40	85215
Aroclor 1221	NELAP	0.0443		ND	mg/Kg-dry	1	01/28/2013 15:40	85215
Aroclor 1232	NELAP	0.0443		ND	mg/Kg-dry	1	01/28/2013 15:40	85215
Aroclor 1242	NELAP	4.43		49.2	mg/Kg-dry	100	01/30/2013 0:07	85215
Aroclor 1248	NELAP	0.0443		ND	mg/Kg-dry	1	01/28/2013 15:40	85215
Aroclor 1254	NELAP	1.11		8.58	mg/Kg-dry	25	01/29/2013 23:50	85215
Aroclor 1260	NELAP	0.0443		ND	mg/Kg-dry	1	01/28/2013 15:40	85215
Surr: Decachlorobiphenyl		5-156		98.0	%REC	1	01/28/2013 15:40	85215
Surr: Tetrachloro-meta-xylene		7.35-123		78.3	%REC	1	01/28/2013 15:40	85215



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-019

Client Sample ID: IMWP-VV-SP-07-1.5 ft

Matrix: SOLID

Collection Date: 01/23/2013 10:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		5.6	%	1	01/25/2013 15:40	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.0398		ND	mg/Kg-dry	1	01/28/2013 15:57	85215
Aroclor 1221	NELAP	0.0398		ND	mg/Kg-dry	1	01/28/2013 15:57	85215
Aroclor 1232	NELAP	0.0398		ND	mg/Kg-dry	1	01/28/2013 15:57	85215
Aroclor 1242	NELAP	0.0398		ND	mg/Kg-dry	1	01/28/2013 15:57	85215
Aroclor 1248	NELAP	0.199		0.717	mg/Kg-dry	5	01/30/2013 0:24	85215
Aroclor 1254	NELAP	0.199		1.62	mg/Kg-dry	5	01/30/2013 0:24	85215
Aroclor 1260	NELAP	0.199		1	mg/Kg-dry	5	01/30/2013 0:24	85215
Surr: Decachlorobiphenyl		5-156		90.1	%REC	1	01/28/2013 15:57	85215
Surr: Tetrachloro-meta-xylene		7.35-123		98.1	%REC	1	01/28/2013 15:57	85215



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-020

Client Sample ID: IMWP-VV-SP-07-4 ft

Matrix: SOLID

Collection Date: 01/23/2013 10:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		12.7	%	1	01/25/2013 15:40	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.043		ND	mg/Kg-dry	1	01/29/2013 16:57	85215
Aroclor 1221	NELAP	0.043		ND	mg/Kg-dry	1	01/29/2013 16:57	85215
Aroclor 1232	NELAP	0.043		ND	mg/Kg-dry	1	01/29/2013 16:57	85215
Aroclor 1242	NELAP	0.043		0.0678	mg/Kg-dry	1	01/29/2013 16:57	85215
Aroclor 1248	NELAP	0.043		ND	mg/Kg-dry	1	01/29/2013 16:57	85215
Aroclor 1254	NELAP	0.043		ND	mg/Kg-dry	1	01/29/2013 16:57	85215
Aroclor 1260	NELAP	0.043		0.124	mg/Kg-dry	1	01/29/2013 16:57	85215
Surr: Decachlorobiphenyl		5-156		94.4	%REC	1	01/28/2013 16:14	85215
Surr: Tetrachloro-meta-xylene		7.35-123		74.2	%REC	1	01/28/2013 16:14	85215



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.  
 Client Project: Solutia 2950  
 Lab ID: 13011093-021  
 Matrix: SOLID

Work Order: 13011093  
 Report Date: 01-Feb-13

Client Sample ID: IMWP-VV-SP-07-7 ft  
 Collection Date: 01/23/2013 10:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		18.7	%	1	01/25/2013 17:11	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.0462		ND	mg/Kg-dry	1	01/31/2013 0:28	85228
Aroclor 1221	NELAP	0.0462		ND	mg/Kg-dry	1	01/31/2013 0:28	85228
Aroclor 1232	NELAP	0.0462		ND	mg/Kg-dry	1	01/31/2013 0:28	85228
Aroclor 1242	NELAP	0.0462		ND	mg/Kg-dry	1	01/31/2013 0:28	85228
Aroclor 1248	NELAP	0.0462		ND	mg/Kg-dry	1	01/31/2013 0:28	85228
Aroclor 1254	NELAP	0.0462		ND	mg/Kg-dry	1	01/31/2013 0:28	85228
Aroclor 1260	NELAP	0.0462		ND	mg/Kg-dry	1	01/31/2013 0:28	85228
Surr: Decachlorobiphenyl		5-156		89.1	%REC	1	01/31/2013 0:28	85228
Surr: Tetrachloro-meta-xylene		7.35-123		60.3	%REC	1	01/31/2013 0:28	85228



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.  
 Client Project: Solutia 2950  
 Lab ID: 13011093-022  
 Matrix: SOLID

Work Order: 13011093  
 Report Date: 01-Feb-13  
 Client Sample ID: IMWP-VV-SP-08-1.5 ft  
 Collection Date: 01/23/2013 10:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		5.8	%	1	01/25/2013 17:11	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.0395		ND	mg/Kg-dry	1	01/28/2013 19:23	85228
Aroclor 1221	NELAP	0.0395		ND	mg/Kg-dry	1	01/28/2013 19:23	85228
Aroclor 1232	NELAP	0.0395		ND	mg/Kg-dry	1	01/28/2013 19:23	85228
Aroclor 1242	NELAP	0.0395		0.386	mg/Kg-dry	1	01/28/2013 19:23	85228
Aroclor 1248	NELAP	0.0395		ND	mg/Kg-dry	1	01/28/2013 19:23	85228
Aroclor 1254	NELAP	0.0395		0.142	mg/Kg-dry	1	01/28/2013 19:23	85228
Aroclor 1260	NELAP	0.0395		0.0409	mg/Kg-dry	1	01/28/2013 19:23	85228
Surr: Decachlorobiphenyl		5-156		82.4	%REC	1	01/28/2013 19:23	85228
Surr: Tetrachloro-meta-xylene		7.35-123		87.6	%REC	1	01/28/2013 19:23	85228



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.  
 Client Project: Solutia 2950  
 Lab ID: 13011093-023  
 Matrix: SOLID

Work Order: 13011093  
 Report Date: 01-Feb-13

Client Sample ID: IMWP-VV-SP-08-4 ft  
 Collection Date: 01/23/2013 10:55

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		13.0	%	1	01/25/2013 17:11	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.0432		ND	mg/Kg-dry	1	01/28/2013 19:40	85228
Aroclor 1221	NELAP	0.0432		ND	mg/Kg-dry	1	01/28/2013 19:40	85228
Aroclor 1232	NELAP	0.0432		ND	mg/Kg-dry	1	01/28/2013 19:40	85228
Aroclor 1242	NELAP	0.0432		ND	mg/Kg-dry	1	01/28/2013 19:40	85228
Aroclor 1248	NELAP	0.0432		0.0716	mg/Kg-dry	1	01/28/2013 19:40	85228
Aroclor 1254	NELAP	0.0432		0.0615	mg/Kg-dry	1	01/28/2013 19:40	85228
Aroclor 1260	NELAP	0.0432	J	0.0418	mg/Kg-dry	1	01/28/2013 19:40	85228
Surr: Decachlorobiphenyl		5-156		98.2	%REC	1	01/28/2013 19:40	85228
Surr: Tetrachloro-meta-xylene		7.35-123		96.1	%REC	1	01/28/2013 19:40	85228



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-024

Client Sample ID: IMWP-VV-SP-08-7 ft

Matrix: SOLID

Collection Date: 01/23/2013 11:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		13.3	%	1	01/25/2013 17:11	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.0431		ND	mg/Kg-dry	1	01/28/2013 19:57	85228
Aroclor 1221	NELAP	0.0431		ND	mg/Kg-dry	1	01/28/2013 19:57	85228
Aroclor 1232	NELAP	0.0431		ND	mg/Kg-dry	1	01/28/2013 19:57	85228
Aroclor 1242	NELAP	4.31		49.7	mg/Kg-dry	100	01/30/2013 2:24	85228
Aroclor 1248	NELAP	0.0431		ND	mg/Kg-dry	1	01/28/2013 19:57	85228
Aroclor 1254	NELAP	4.31		22.3	mg/Kg-dry	100	01/30/2013 2:24	85228
Aroclor 1260	NELAP	0.0431		ND	mg/Kg-dry	1	01/28/2013 19:57	85228
Surr: Decachlorobiphenyl		5-156		82.6	%REC	1	01/28/2013 19:57	85228
Surr: Tetrachloro-meta-xylene		7.35-123		75.9	%REC	1	01/28/2013 19:57	85228



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.  
 Client Project: Solutia 2950  
 Lab ID: 13011093-025  
 Matrix: SOLID

Work Order: 13011093  
 Report Date: 01-Feb-13

Client Sample ID: IMWP-VV-SP-09-1 ft  
 Collection Date: 01/23/2013 13:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		14.4	%	1	01/25/2013 17:12	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.0435		ND	mg/Kg-dry	1	01/28/2013 20:14	85228
Aroclor 1221	NELAP	0.0435		ND	mg/Kg-dry	1	01/28/2013 20:14	85228
Aroclor 1232	NELAP	0.0435		ND	mg/Kg-dry	1	01/28/2013 20:14	85228
Aroclor 1242	NELAP	0.0435		ND	mg/Kg-dry	1	01/28/2013 20:14	85228
Aroclor 1248	NELAP	1.09		5.31	mg/Kg-dry	25	01/30/2013 2:42	85228
Aroclor 1254	NELAP	1.09		3.83	mg/Kg-dry	25	01/30/2013 2:42	85228
Aroclor 1260	NELAP	1.09		1.38	mg/Kg-dry	25	01/31/2013 0:45	85228
Surr: Decachlorobiphenyl		5-156		81.1	%REC	1	01/28/2013 20:14	85228
Surr: Tetrachloro-meta-xylene		7.35-123		101.3	%REC	1	01/28/2013 20:14	85228



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-026

Client Sample ID: IMWP-VV-SP-09-4 ft

Matrix: SOLID

Collection Date: 01/23/2013 13:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		20.6	%	1	01/25/2013 17:12	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.0471		ND	mg/Kg-dry	1	01/28/2013 20:32	85228
Aroclor 1221	NELAP	0.0471		ND	mg/Kg-dry	1	01/28/2013 20:32	85228
Aroclor 1232	NELAP	0.0471		ND	mg/Kg-dry	1	01/28/2013 20:32	85228
Aroclor 1242	NELAP	4.71		31	mg/Kg-dry	100	01/30/2013 3:16	85228
Aroclor 1248	NELAP	0.0471		ND	mg/Kg-dry	1	01/28/2013 20:32	85228
Aroclor 1254	NELAP	1.18		6.21	mg/Kg-dry	25	01/30/2013 2:59	85228
Aroclor 1260	NELAP	0.0471		ND	mg/Kg-dry	1	01/28/2013 20:32	85228
Surr: Decachlorobiphenyl		5-156		73.2	%REC	1	01/28/2013 20:32	85228
Surr: Tetrachloro-meta-xylene		7.35-123		81.3	%REC	1	01/28/2013 20:32	85228



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.  
 Client Project: Solutia 2950  
 Lab ID: 13011093-027  
 Matrix: SOLID

Work Order: 13011093  
 Report Date: 01-Feb-13

Client Sample ID: IMWP-VV-SP-09-7.5 ft  
 Collection Date: 01/23/2013 13:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		20.8	%	1	01/25/2013 17:12	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.0472		ND	mg/Kg-dry	1	01/28/2013 20:49	85228
Aroclor 1221	NELAP	0.0472		ND	mg/Kg-dry	1	01/28/2013 20:49	85228
Aroclor 1232	NELAP	0.0472		ND	mg/Kg-dry	1	01/28/2013 20:49	85228
Aroclor 1242	NELAP	1.18		9.52	mg/Kg-dry	25	01/30/2013 3:33	85228
Aroclor 1248	NELAP	0.0472		ND	mg/Kg-dry	1	01/28/2013 20:49	85228
Aroclor 1254	NELAP	1.18		3.24	mg/Kg-dry	25	01/30/2013 3:33	85228
Aroclor 1260	NELAP	0.0472		ND	mg/Kg-dry	1	01/28/2013 20:49	85228
Surr: Decachlorobiphenyl		5-156		78.5	%REC	1	01/28/2013 20:49	85228
Surr: Tetrachloro-meta-xylene		7.35-123		67.7	%REC	1	01/28/2013 20:49	85228



Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-028

Client Sample ID: IMWP-VV-SP-09-7.5 ft AD

Matrix: SOLID

Collection Date: 01/23/2013 12:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		21.6	%	1	01/25/2013 17:13	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.0477		ND	mg/Kg-dry	1	01/28/2013 21:55	85228
Aroclor 1221	NELAP	0.0477		ND	mg/Kg-dry	1	01/28/2013 21:55	85228
Aroclor 1232	NELAP	0.0477		ND	mg/Kg-dry	1	01/28/2013 21:55	85228
Aroclor 1242	NELAP	23.8		127	mg/Kg-dry	500	01/30/2013 4:07	85228
Aroclor 1248	NELAP	0.0477		ND	mg/Kg-dry	1	01/28/2013 21:55	85228
Aroclor 1254	NELAP	23.8		61.4	mg/Kg-dry	500	01/30/2013 4:07	85228
Aroclor 1260	NELAP	0.0477		ND	mg/Kg-dry	1	01/28/2013 21:55	85228
Surr: Decachlorobiphenyl		5-156	S	0	%REC	1	01/28/2013 21:55	85228
Surr: Tetrachloro-meta-xylene		7.35-123		75.7	%REC	1	01/28/2013 21:55	85228

Surrogate recovery is outside QC limits or could not be quantitated due to matrix interference.



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-029

Client Sample ID: IMWP-VV-SP-10-1 ft

Matrix: SOLID

Collection Date: 01/23/2013 13:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		21.1	%	1	01/25/2013 17:13	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.0474		ND	mg/Kg-dry	1	01/28/2013 22:12	85228
Aroclor 1221	NELAP	0.0474		ND	mg/Kg-dry	1	01/28/2013 22:12	85228
Aroclor 1232	NELAP	0.0474		ND	mg/Kg-dry	1	01/28/2013 22:12	85228
Aroclor 1242	NELAP	0.949		8.9	mg/Kg-dry	20	01/30/2013 4:24	85228
Aroclor 1248	NELAP	0.0474		ND	mg/Kg-dry	1	01/28/2013 22:12	85228
Aroclor 1254	NELAP	0.949		1.69	mg/Kg-dry	20	01/30/2013 4:24	85228
Aroclor 1260	NELAP	0.0474		ND	mg/Kg-dry	1	01/28/2013 22:12	85228
Surr: Decachlorobiphenyl		5-156	S	196.8	%REC	1	01/28/2013 22:12	85228
Surr: Tetrachloro-meta-xylene		7.35-123		62.1	%REC	1	01/28/2013 22:12	85228
<i>Surrogate recovery is outside QC limits due to matrix interference.</i>								



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-030

Client Sample ID: IMWP-VV-SP-10-5 ft

Matrix: SOLID

Collection Date: 01/23/2013 13:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		18.6	%	1	01/25/2013 17:13	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.046		ND	mg/Kg-dry	1	01/28/2013 22:29	85228
Aroclor 1221	NELAP	0.046		ND	mg/Kg-dry	1	01/28/2013 22:29	85228
Aroclor 1232	NELAP	0.046		ND	mg/Kg-dry	1	01/28/2013 22:29	85228
Aroclor 1242	NELAP	46		191	mg/Kg-dry	1000	01/30/2013 4:59	85228
Aroclor 1248	NELAP	0.046		ND	mg/Kg-dry	1	01/28/2013 22:29	85228
Aroclor 1254	NELAP	11.5		41.4	mg/Kg-dry	250	01/30/2013 4:42	85228
Aroclor 1260	NELAP	0.046		ND	mg/Kg-dry	1	01/28/2013 22:29	85228
Surr: Decachlorobiphenyl		5-156	S	0	%REC	1	01/28/2013 22:29	85228
Surr: Tetrachloro-meta-xylene		7.35-123		82.3	%REC	1	01/28/2013 22:29	85228

Surrogate recovery is outside QC limits or could not be quantitated due to matrix interference.



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.  
 Client Project: Solutia 2950  
 Lab ID: 13011093-031  
 Matrix: SOLID

Work Order: 13011093  
 Report Date: 01-Feb-13

Client Sample ID: IMWP-VV-SP-10-9 ft  
 Collection Date: 01/23/2013 13:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		14.8	%	1	01/25/2013 17:13	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	43.8		ND	mg/Kg-dry	1000	01/30/2013 5:16	85228
Aroclor 1221	NELAP	43.8		ND	mg/Kg-dry	1000	01/30/2013 5:16	85228
Aroclor 1232	NELAP	43.8		ND	mg/Kg-dry	1000	01/30/2013 5:16	85228
Aroclor 1242	NELAP	438		2460	mg/Kg-dry	10000	01/30/2013 5:33	85228
Aroclor 1248	NELAP	43.8		ND	mg/Kg-dry	1000	01/30/2013 5:16	85228
Aroclor 1254	NELAP	43.8		408	mg/Kg-dry	1000	01/30/2013 5:16	85228
Aroclor 1260	NELAP	43.8		ND	mg/Kg-dry	1000	01/30/2013 5:16	85228
Surr: Decachlorobiphenyl		5-156	S	0	%REC	1	01/28/2013 22:46	85228
Surr: Tetrachloro-meta-xylene		7.35-123		101.3	%REC	1	01/28/2013 22:46	85228

*Elevated reporting limit due to high levels of target analytes.*

*Surrogate recovery is outside QC limits or could not be quantitated due to matrix interference.*



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-032

Client Sample ID: IMWP-VV-SP-10-9 ft AD

Matrix: SOLID

Collection Date: 01/23/2013 12:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		26.5	%	1	01/25/2013 17:13	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.0509		ND	mg/Kg-dry	1	01/28/2013 23:03	85228
Aroclor 1221	NELAP	0.0509		ND	mg/Kg-dry	1	01/28/2013 23:03	85228
Aroclor 1232	NELAP	0.0509		ND	mg/Kg-dry	1	01/28/2013 23:03	85228
Aroclor 1242	NELAP	5.09		65.9	mg/Kg-dry	100	01/30/2013 5:50	85228
Aroclor 1248	NELAP	0.0509		ND	mg/Kg-dry	1	01/28/2013 23:03	85228
Aroclor 1254	NELAP	5.09		17.8	mg/Kg-dry	100	01/30/2013 5:50	85228
Aroclor 1260	NELAP	0.0509		ND	mg/Kg-dry	1	01/28/2013 23:03	85228
Surr: Decachlorobiphenyl		5-156	S	668.3	%REC	1	01/28/2013 23:03	85228
Surr: Tetrachloro-meta-xylene		7.35-123		64.9	%REC	1	01/28/2013 23:03	85228

Surrogate recovery is outside QC limits or could not be quantitated due to matrix interference.



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.  
 Client Project: Solutia 2950  
 Lab ID: 13011093-033  
 Matrix: SOLID

Work Order: 13011093  
 Report Date: 01-Feb-13

Client Sample ID: IMWP-VV-SP-11-1 ft  
 Collection Date: 01/23/2013 13:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		17.2	%	1	01/25/2013 17:13	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.045		ND	mg/Kg-dry	1	01/28/2013 23:20	85228
Aroclor 1221	NELAP	0.045		ND	mg/Kg-dry	1	01/28/2013 23:20	85228
Aroclor 1232	NELAP	0.045		ND	mg/Kg-dry	1	01/28/2013 23:20	85228
Aroclor 1242	NELAP	0.045		0.102	mg/Kg-dry	1	01/28/2013 23:20	85228
Aroclor 1248	NELAP	0.045		ND	mg/Kg-dry	1	01/28/2013 23:20	85228
Aroclor 1254	NELAP	0.045	J	0.0368	mg/Kg-dry	1	01/28/2013 23:20	85228
Aroclor 1260	NELAP	0.045		ND	mg/Kg-dry	1	01/28/2013 23:20	85228
Surr: Decachlorobiphenyl		5-156		107.4	%REC	1	01/28/2013 23:20	85228
Surr: Tetrachloro-meta-xylene		7.35-123		70.1	%REC	1	01/28/2013 23:20	85228



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-034

Client Sample ID: IMWP-VV-SP-11-4.5 ft

Matrix: SOLID

Collection Date: 01/23/2013 13:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		16.1	%	1	01/25/2013 17:14	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	442		ND	mg/Kg-dry	10000	01/30/2013 6:25	85228
Aroclor 1221	NELAP	442		ND	mg/Kg-dry	10000	01/30/2013 6:25	85228
Aroclor 1232	NELAP	442		ND	mg/Kg-dry	10000	01/30/2013 6:25	85228
Aroclor 1242	NELAP	442		2630	mg/Kg-dry	10000	01/30/2013 6:25	85228
Aroclor 1248	NELAP	442		ND	mg/Kg-dry	10000	01/30/2013 6:25	85228
Aroclor 1254	NELAP	442		1190	mg/Kg-dry	10000	01/30/2013 6:25	85228
Aroclor 1260	NELAP	442		ND	mg/Kg-dry	10000	01/30/2013 6:25	85228
Surr: Decachlorobiphenyl		5-156	S	0	%REC	1	01/28/2013 23:37	85228
Surr: Tetrachloro-meta-xylene		7.35-123		75.1	%REC	1	01/28/2013 23:37	85228

*Elevated reporting limit due to high levels of target analytes.*

*Surrogate recovery is outside QC limits or could not be quantitated due to matrix interference.*



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-035

Client Sample ID: IMWP-VV-SP-11-8 ft

Matrix: SOLID

Collection Date: 01/23/2013 13:55

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		17.3	%	1	01/25/2013 17:14	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	225		ND	mg/Kg-dry	5000	01/30/2013 6:59	85228
Aroclor 1221	NELAP	225		ND	mg/Kg-dry	5000	01/30/2013 6:59	85228
Aroclor 1232	NELAP	225		ND	mg/Kg-dry	5000	01/30/2013 6:59	85228
Aroclor 1242	NELAP	225		1000	mg/Kg-dry	5000	01/30/2013 6:59	85228
Aroclor 1248	NELAP	225		ND	mg/Kg-dry	5000	01/30/2013 6:59	85228
Aroclor 1254	NELAP	225		333	mg/Kg-dry	5000	01/30/2013 6:59	85228
Aroclor 1260	NELAP	225		ND	mg/Kg-dry	5000	01/30/2013 6:59	85228
Surr: Decachlorobiphenyl		5-156	S	0	%REC	1	01/28/2013 23:55	85228
Surr: Tetrachloro-meta-xylene		7.35-123		68.6	%REC	1	01/28/2013 23:55	85228

*Elevated reporting limit due to high levels of target analytes.*

*Surrogate recovery is outside QC limits or could not be quantitated due to matrix interference.*



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-036

Client Sample ID: IMWP-VV-SP-12-1.5 ft

Matrix: SOLID

Collection Date: 01/23/2013 14:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		16.5	%	1	01/25/2013 17:14	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.0449		ND	mg/Kg-dry	1	01/29/2013 0:12	85228
Aroclor 1221	NELAP	0.0449		ND	mg/Kg-dry	1	01/29/2013 0:12	85228
Aroclor 1232	NELAP	0.0449		ND	mg/Kg-dry	1	01/29/2013 0:12	85228
Aroclor 1242	NELAP	11.2		51.7	mg/Kg-dry	250	01/30/2013 7:33	85228
Aroclor 1248	NELAP	0.0449		ND	mg/Kg-dry	1	01/29/2013 0:12	85228
Aroclor 1254	NELAP	0.449		4.36	mg/Kg-dry	10	01/30/2013 7:16	85228
Aroclor 1260	NELAP	0.449		2.87	mg/Kg-dry	10	01/31/2013 1:03	85228
Surr: Decachlorobiphenyl		5-156	S	0	%REC	1	01/29/2013 0:12	85228
Surr: Tetrachloro-meta-xylene		7.35-123		75.4	%REC	1	01/29/2013 0:12	85228

Surrogate recovery is outside QC limits or could not be quantitated due to matrix interference.



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-037

Client Sample ID: IMWP-VV-SP-12-4 ft

Matrix: SOLID

Collection Date: 01/23/2013 14:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		<b>20.0</b>	%	1	01/25/2013 17:14	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.0467		<b>ND</b>	mg/Kg-dry	1	01/29/2013 0:29	85228
Aroclor 1221	NELAP	0.0467		<b>ND</b>	mg/Kg-dry	1	01/29/2013 0:29	85228
Aroclor 1232	NELAP	0.0467		<b>ND</b>	mg/Kg-dry	1	01/29/2013 0:29	85228
Aroclor 1242	NELAP	23.4		<b>78.9</b>	mg/Kg-dry	500	01/30/2013 8:08	85228
Aroclor 1248	NELAP	0.0467		<b>ND</b>	mg/Kg-dry	1	01/29/2013 0:29	85228
Aroclor 1254	NELAP	11.7		<b>14.7</b>	mg/Kg-dry	500	01/30/2013 8:08	85228
Aroclor 1260	NELAP	0.467		<b>1.97</b>	mg/Kg-dry	10	01/31/2013 1:20	85228
Surr: Decachlorobiphenyl		5-156	S	<b>425.9</b>	%REC	1	01/29/2013 0:29	85228
Surr: Tetrachloro-meta-xylene		7.35-123		<b>53.2</b>	%REC	1	01/29/2013 0:29	85228
<i>Surrogate recovery is outside QC limits or could not be quantitated due to matrix interference.</i>								



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-038

Client Sample ID: IMWP-VV-SP-12-8 ft

Matrix: SOLID

Collection Date: 01/23/2013 14:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		23.3	%	1	01/25/2013 17:15	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.0485		ND	mg/Kg-dry	1	01/29/2013 0:46	85228
Aroclor 1221	NELAP	0.0485		ND	mg/Kg-dry	1	01/29/2013 0:46	85228
Aroclor 1232	NELAP	0.0485		ND	mg/Kg-dry	1	01/29/2013 0:46	85228
Aroclor 1242	NELAP	243		680	mg/Kg-dry	5000	01/30/2013 8:42	85228
Aroclor 1248	NELAP	0.0485		ND	mg/Kg-dry	1	01/29/2013 0:46	85228
Aroclor 1254	NELAP	4.85		45.2	mg/Kg-dry	100	01/30/2013 8:25	85228
Aroclor 1260	NELAP	4.85		18.8	mg/Kg-dry	100	01/31/2013 1:37	85228
Surr: Decachlorobiphenyl		5-156	S	298.4	%REC	1	01/29/2013 0:46	85228
Surr: Tetrachloro-meta-xylene		7.35-123		76.5	%REC	1	01/29/2013 0:46	85228

Surrogate recovery is outside QC limits due to matrix interference.



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.  
 Client Project: Solutia 2950  
 Lab ID: 13011093-039  
 Matrix: SOLID

Work Order: 13011093  
 Report Date: 01-Feb-13

Client Sample ID: IMWP-VV-SP-13-1.5 ft  
 Collection Date: 01/24/2013 10:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		16.2	%	1	01/25/2013 17:15	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.0444		ND	mg/Kg-dry	1	01/29/2013 1:03	85228
Aroclor 1221	NELAP	0.0444		ND	mg/Kg-dry	1	01/29/2013 1:03	85228
Aroclor 1232	NELAP	0.0444		ND	mg/Kg-dry	1	01/29/2013 1:03	85228
Aroclor 1242	NELAP	0.0444		0.0967	mg/Kg-dry	1	01/29/2013 1:03	85228
Aroclor 1248	NELAP	0.0444		ND	mg/Kg-dry	1	01/29/2013 1:03	85228
Aroclor 1254	NELAP	0.0444		ND	mg/Kg-dry	1	01/29/2013 1:03	85228
Aroclor 1260	NELAP	0.0444		ND	mg/Kg-dry	1	01/29/2013 1:03	85228
Surr: Decachlorobiphenyl		5-156		137.0	%REC	1	01/29/2013 1:03	85228
Surr: Tetrachloro-meta-xylene		7.35-123		59.1	%REC	1	01/29/2013 1:03	85228



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-040

Client Sample ID: IMWP-VV-SP-13-4.5 ft

Matrix: SOLID

Collection Date: 01/24/2013 10:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		18.8	%	1	01/25/2013 17:15	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.0458		ND	mg/Kg-dry	1	01/29/2013 1:55	85228
Aroclor 1221	NELAP	0.0458		ND	mg/Kg-dry	1	01/29/2013 1:55	85228
Aroclor 1232	NELAP	0.0458		ND	mg/Kg-dry	1	01/29/2013 1:55	85228
Aroclor 1242	NELAP	0.229		0.393	mg/Kg-dry	5	01/30/2013 10:08	85228
Aroclor 1248	NELAP	0.0458		ND	mg/Kg-dry	1	01/29/2013 1:55	85228
Aroclor 1254	NELAP	0.229		1.01	mg/Kg-dry	5	01/30/2013 10:08	85228
Aroclor 1260	NELAP	0.0458		0.542	mg/Kg-dry	1	01/29/2013 1:55	85228
Surr: Decachlorobiphenyl		5-156		120.4	%REC	1	01/29/2013 1:55	85228
Surr: Tetrachloro-meta-xylene		7.35-123		42.8	%REC	1	01/29/2013 1:55	85228



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-041

Client Sample ID: IMWP-VV-SP-13-9 ft

Matrix: SOLID

Collection Date: 01/24/2013 10:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		13.6	%	1	01/25/2013 17:15	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.0435		ND	mg/Kg-dry	1	01/29/2013 5:04	85238
Aroclor 1221	NELAP	0.0435		ND	mg/Kg-dry	1	01/29/2013 5:04	85238
Aroclor 1232	NELAP	0.0435		ND	mg/Kg-dry	1	01/29/2013 5:04	85238
Aroclor 1242	NELAP	2.17		14.7	mg/Kg-dry	50	01/30/2013 10:25	85238
Aroclor 1248	NELAP	0.0435		ND	mg/Kg-dry	1	01/29/2013 5:04	85238
Aroclor 1254	NELAP	2.17		7.74	mg/Kg-dry	50	01/30/2013 10:25	85238
Aroclor 1260	NELAP	2.17		3.54	mg/Kg-dry	50	01/31/2013 1:54	85238
Surr: Decachlorobiphenyl		5-156	S	197.4	%REC	1	01/29/2013 5:04	85238
Surr: Tetrachloro-meta-xylene		7.35-123		80.6	%REC	1	01/29/2013 5:04	85238
<i>Surrogate recovery is outside QC limits due to matrix interference.</i>								



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-042

Client Sample ID: IMWP-VV-SP-14-1 ft

Matrix: SOLID

Collection Date: 01/24/2013 10:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		6.7	%	1	01/25/2013 17:15	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.0402		ND	mg/Kg-dry	1	01/29/2013 5:21	85238
Aroclor 1221	NELAP	0.0402		ND	mg/Kg-dry	1	01/29/2013 5:21	85238
Aroclor 1232	NELAP	0.0402		ND	mg/Kg-dry	1	01/29/2013 5:21	85238
Aroclor 1242	NELAP	0.0402		ND	mg/Kg-dry	1	01/29/2013 5:21	85238
Aroclor 1248	NELAP	0.0402		ND	mg/Kg-dry	1	01/29/2013 5:21	85238
Aroclor 1254	NELAP	2.01		18.4	mg/Kg-dry	50	01/30/2013 10:42	85238
Aroclor 1260	NELAP	2.01		4.97	mg/Kg-dry	50	01/31/2013 2:11	85238
Surr: Decachlorobiphenyl		5-156		118.8	%REC	1	01/29/2013 5:21	85238
Surr: Tetrachloro-meta-xylene		7.35-123		89.7	%REC	1	01/29/2013 5:21	85238



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.  
 Client Project: Solutia 2950  
 Lab ID: 13011093-043  
 Matrix: SOLID

Work Order: 13011093  
 Report Date: 01-Feb-13  
 Client Sample ID: IMWP-VV-SP-14-5 ft  
 Collection Date: 01/24/2013 10:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		19.1	%	1	01/25/2013 17:16	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.046		ND	mg/Kg-dry	1	01/29/2013 5:38	85238
Aroclor 1221	NELAP	0.046		ND	mg/Kg-dry	1	01/29/2013 5:38	85238
Aroclor 1232	NELAP	0.046		ND	mg/Kg-dry	1	01/29/2013 5:38	85238
Aroclor 1242	NELAP	11.5		47.7	mg/Kg-dry	250	01/30/2013 11:17	85238
Aroclor 1248	NELAP	0.046		ND	mg/Kg-dry	1	01/29/2013 5:38	85238
Aroclor 1254	NELAP	1.15		8.91	mg/Kg-dry	25	01/30/2013 11:00	85238
Aroclor 1260	NELAP	1.15		2.49	mg/Kg-dry	25	01/31/2013 2:29	85238
Surr: Decachlorobiphenyl		5-156	S	359.5	%REC	1	01/29/2013 5:38	85238
Surr: Tetrachloro-meta-xylene		7.35-123		67.2	%REC	1	01/29/2013 5:38	85238
<i>Surrogate recovery is outside QC limits due to matrix interference.</i>								



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-044

Client Sample ID: IMWP-VV-SP-14-10 ft

Matrix: SOLID

Collection Date: 01/24/2013 10:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		19.8	%	1	01/25/2013 17:16	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.0463		ND	mg/Kg-dry	1	01/29/2013 5:55	85238
Aroclor 1221	NELAP	0.0463		ND	mg/Kg-dry	1	01/29/2013 5:55	85238
Aroclor 1232	NELAP	0.0463		ND	mg/Kg-dry	1	01/29/2013 5:55	85238
Aroclor 1242	NELAP	23.2		215	mg/Kg-dry	500	01/30/2013 11:51	85238
Aroclor 1248	NELAP	0.0463		ND	mg/Kg-dry	1	01/29/2013 5:55	85238
Aroclor 1254	NELAP	2.32		30.5	mg/Kg-dry	50	01/30/2013 11:34	85238
Aroclor 1260	NELAP	2.32		13.7	mg/Kg-dry	50	01/31/2013 2:46	85238
Surr: Decachlorobiphenyl		5-156		110.5	%REC	1	01/29/2013 5:55	85238
Surr: Tetrachloro-meta-xylene		7.35-123		62.9	%REC	1	01/29/2013 5:55	85238



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.  
 Client Project: Solutia 2950  
 Lab ID: 13011093-045  
 Matrix: SOLID

Work Order: 13011093  
 Report Date: 01-Feb-13

Client Sample ID: IMWP-VV-SP-15-1.5 ft  
 Collection Date: 01/23/2013 14:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		19.8	%	1	01/25/2013 17:16	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.0465		ND	mg/Kg-dry	1	01/29/2013 6:13	85238
Aroclor 1221	NELAP	0.0465		ND	mg/Kg-dry	1	01/29/2013 6:13	85238
Aroclor 1232	NELAP	0.0465		ND	mg/Kg-dry	1	01/29/2013 6:13	85238
Aroclor 1242	NELAP	0.0465		0.122	mg/Kg-dry	1	01/29/2013 6:13	85238
Aroclor 1248	NELAP	0.0465		ND	mg/Kg-dry	1	01/29/2013 6:13	85238
Aroclor 1254	NELAP	0.0465		ND	mg/Kg-dry	1	01/29/2013 6:13	85238
Aroclor 1260	NELAP	0.0465		ND	mg/Kg-dry	1	01/29/2013 6:13	85238
Surr: Decachlorobiphenyl		5-156		95.9	%REC	1	01/29/2013 6:13	85238
Surr: Tetrachloro-meta-xylene		7.35-123		53.1	%REC	1	01/29/2013 6:13	85238



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-046

Client Sample ID: IMWP-VV-SP-11-8 ft AD

Matrix: SOLID

Collection Date: 01/23/2013 12:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		17.2	%	1	01/25/2013 17:16	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	451		ND	mg/Kg-dry	10000	01/30/2013 12:09	85238
Aroclor 1221	NELAP	451		ND	mg/Kg-dry	10000	01/30/2013 12:09	85238
Aroclor 1232	NELAP	451		ND	mg/Kg-dry	10000	01/30/2013 12:09	85238
Aroclor 1242	NELAP	1130		3530	mg/Kg-dry	25000	01/30/2013 12:26	85238
Aroclor 1248	NELAP	451		ND	mg/Kg-dry	10000	01/30/2013 12:09	85238
Aroclor 1254	NELAP	451		1540	mg/Kg-dry	10000	01/30/2013 12:09	85238
Aroclor 1260	NELAP	451		ND	mg/Kg-dry	10000	01/30/2013 12:09	85238
Surr: Decachlorobiphenyl		5-156	S	0	%REC	1	01/29/2013 6:30	85238
Surr: Tetrachloro-meta-xylene		7.35-123		77.5	%REC	1	01/29/2013 6:30	85238

*Elevated reporting limit due to high levels of target analytes.*

*Surrogate recovery is outside QC limits or could not be quantitated due to matrix interference.*



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.  
 Client Project: Solutia 2950  
 Lab ID: 13011093-047  
 Matrix: SOLID

Work Order: 13011093  
 Report Date: 01-Feb-13  
 Client Sample ID: IMWP-VV-SP-15-4.5 Ft  
 Collection Date: 01/23/2013 14:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		20.4	%	1	01/25/2013 17:17	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	1.17		7.51	mg/Kg-dry	25	01/30/2013 12:43	85238
Aroclor 1221	NELAP	0.0468		ND	mg/Kg-dry	1	01/29/2013 6:47	85238
Aroclor 1232	NELAP	0.0468		ND	mg/Kg-dry	1	01/29/2013 6:47	85238
Aroclor 1242	NELAP	0.0468		ND	mg/Kg-dry	1	01/29/2013 6:47	85238
Aroclor 1248	NELAP	0.0468		ND	mg/Kg-dry	1	01/29/2013 6:47	85238
Aroclor 1254	NELAP	0.0468		ND	mg/Kg-dry	1	01/29/2013 6:47	85238
Aroclor 1260	NELAP	0.234	J	0.0837	mg/Kg-dry	5	01/31/2013 3:03	85238
Surr: Decachlorobiphenyl		5-156		102.1	%REC	1	01/29/2013 6:47	85238
Surr: Tetrachloro-meta-xylene		7.35-123		43.7	%REC	1	01/29/2013 6:47	85238

*Elevated reporting limit due to sample extract composition.*



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-048

Client Sample ID: IMWP-VV-SP-15-9 ft

Matrix: SOLID

Collection Date: 01/23/2013 14:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		19.8	%	1	01/25/2013 17:17	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.0465		ND	mg/Kg-dry	1	01/29/2013 7:04	85238
Aroclor 1221	NELAP	0.0465		ND	mg/Kg-dry	1	01/29/2013 7:04	85238
Aroclor 1232	NELAP	0.0465		ND	mg/Kg-dry	1	01/29/2013 7:04	85238
Aroclor 1242	NELAP	23.2		238	mg/Kg-dry	500	01/30/2013 13:17	85238
Aroclor 1248	NELAP	0.0465		ND	mg/Kg-dry	1	01/29/2013 7:04	85238
Aroclor 1254	NELAP	1.16		14.5	mg/Kg-dry	25	01/30/2013 13:00	85238
Aroclor 1260	NELAP	1.16		5.07	mg/Kg-dry	25	01/31/2013 3:20	85238
Surr: Decachlorobiphenyl		5-156		84.4	%REC	1	01/29/2013 7:04	85238
Surr: Tetrachloro-meta-xylene		7.35-123		57.6	%REC	1	01/29/2013 7:04	85238



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-049

Client Sample ID: IMWP-VV-SP-16-1 ft

Matrix: SOLID

Collection Date: 01/24/2013 10:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		16.8	%	1	01/25/2013 17:17	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.0449		ND	mg/Kg-dry	1	01/29/2013 7:21	85238
Aroclor 1221	NELAP	0.0449		ND	mg/Kg-dry	1	01/29/2013 7:21	85238
Aroclor 1232	NELAP	0.0449		ND	mg/Kg-dry	1	01/29/2013 7:21	85238
Aroclor 1242	NELAP	0.0449		ND	mg/Kg-dry	1	01/29/2013 7:21	85238
Aroclor 1248	NELAP	0.0449		ND	mg/Kg-dry	1	01/29/2013 7:21	85238
Aroclor 1254	NELAP	0.0449		ND	mg/Kg-dry	1	01/29/2013 7:21	85238
Aroclor 1260	NELAP	0.0449		ND	mg/Kg-dry	1	01/29/2013 7:21	85238
Surr: Decachlorobiphenyl		5-156		84.4	%REC	1	01/29/2013 7:21	85238
Surr: Tetrachloro-meta-xylene		7.35-123		64.1	%REC	1	01/29/2013 7:21	85238



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-050

Client Sample ID: IMWP-VV-SP-16-1 ft AD

Matrix: SOLID

Collection Date: 01/24/2013 12:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		19.6	%	1	01/25/2013 17:17	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.0465		ND	mg/Kg-dry	1	01/29/2013 7:38	85238
Aroclor 1221	NELAP	0.0465		ND	mg/Kg-dry	1	01/29/2013 7:38	85238
Aroclor 1232	NELAP	0.0465		ND	mg/Kg-dry	1	01/29/2013 7:38	85238
Aroclor 1242	NELAP	0.0465	J	0.0306	mg/Kg-dry	1	01/29/2013 7:38	85238
Aroclor 1248	NELAP	0.0465		ND	mg/Kg-dry	1	01/29/2013 7:38	85238
Aroclor 1254	NELAP	0.0465		ND	mg/Kg-dry	1	01/29/2013 7:38	85238
Aroclor 1260	NELAP	0.0465		ND	mg/Kg-dry	1	01/29/2013 7:38	85238
Surr: Decachlorobiphenyl		5-156		73.8	%REC	1	01/29/2013 7:38	85238
Surr: Tetrachloro-meta-xylene		7.35-123		41.5	%REC	1	01/29/2013 7:38	85238



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.  
 Client Project: Solutia 2950  
 Lab ID: 13011093-051  
 Matrix: SOLID

Work Order: 13011093  
 Report Date: 01-Feb-13  
 Client Sample ID: IMWP-VV-SP-16-5 ft  
 Collection Date: 01/24/2013 10:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		19.0	%	1	01/25/2013 17:17	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.0462		ND	mg/Kg-dry	1	01/29/2013 7:55	85238
Aroclor 1221	NELAP	0.0462		ND	mg/Kg-dry	1	01/29/2013 7:55	85238
Aroclor 1232	NELAP	0.0462		ND	mg/Kg-dry	1	01/29/2013 7:55	85238
Aroclor 1242	NELAP	0.0462		0.0686	mg/Kg-dry	1	01/29/2013 7:55	85238
Aroclor 1248	NELAP	0.0462		ND	mg/Kg-dry	1	01/29/2013 7:55	85238
Aroclor 1254	NELAP	0.0462		ND	mg/Kg-dry	1	01/29/2013 7:55	85238
Aroclor 1260	NELAP	0.0462	J	0.0372	mg/Kg-dry	1	01/29/2013 7:55	85238
Surr: Decachlorobiphenyl		5-156		111.0	%REC	1	01/29/2013 7:55	85238
Surr: Tetrachloro-meta-xylene		7.35-123		66.4	%REC	1	01/29/2013 7:55	85238



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-052

Client Sample ID: IMWP-VV-SP-16-10 ft

Matrix: SOLID

Collection Date: 01/24/2013 10:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		17.7	%	1	01/25/2013 17:18	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.0457		ND	mg/Kg-dry	1	01/29/2013 8:13	85238
Aroclor 1221	NELAP	0.0457		ND	mg/Kg-dry	1	01/29/2013 8:13	85238
Aroclor 1232	NELAP	0.0457		ND	mg/Kg-dry	1	01/29/2013 8:13	85238
Aroclor 1242	NELAP	0.0457		ND	mg/Kg-dry	1	01/29/2013 8:13	85238
Aroclor 1248	NELAP	0.0457		ND	mg/Kg-dry	1	01/29/2013 8:13	85238
Aroclor 1254	NELAP	0.0457		ND	mg/Kg-dry	1	01/29/2013 8:13	85238
Aroclor 1260	NELAP	0.0457		ND	mg/Kg-dry	1	01/29/2013 8:13	85238
Surr: Decachlorobiphenyl		5-156		98.4	%REC	1	01/29/2013 8:13	85238
Surr: Tetrachloro-meta-xylene		7.35-123		58.4	%REC	1	01/29/2013 8:13	85238



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.  
 Client Project: Solutia 2950  
 Lab ID: 13011093-053  
 Matrix: SOLID

Work Order: 13011093  
 Report Date: 01-Feb-13

Client Sample ID: IMWP-VV-SP-17-1.5 ft  
 Collection Date: 01/24/2013 10:55

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		15.2	%	1	01/25/2013 17:18	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.0441		ND	mg/Kg-dry	1	01/29/2013 8:47	85238
Aroclor 1221	NELAP	0.0441		ND	mg/Kg-dry	1	01/29/2013 8:47	85238
Aroclor 1232	NELAP	0.0441		ND	mg/Kg-dry	1	01/29/2013 8:47	85238
Aroclor 1242	NELAP	0.0441		ND	mg/Kg-dry	1	01/29/2013 8:47	85238
Aroclor 1248	NELAP	0.0441		ND	mg/Kg-dry	1	01/29/2013 8:47	85238
Aroclor 1254	NELAP	0.0441		ND	mg/Kg-dry	1	01/29/2013 8:47	85238
Aroclor 1260	NELAP	0.0441		ND	mg/Kg-dry	1	01/29/2013 8:47	85238
Surr: Decachlorobiphenyl		5-156		111.4	%REC	1	01/29/2013 8:47	85238
Surr: Tetrachloro-meta-xylene		7.35-123		72.2	%REC	1	01/29/2013 8:47	85238



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-054

Client Sample ID: IMWP-VV-SP-17-5 ft

Matrix: SOLID

Collection Date: 01/24/2013 11:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		21.9	%	1	01/25/2013 17:18	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.048		ND	mg/Kg-dry	1	01/29/2013 9:04	85238
Aroclor 1221	NELAP	0.048		ND	mg/Kg-dry	1	01/29/2013 9:04	85238
Aroclor 1232	NELAP	0.048		ND	mg/Kg-dry	1	01/29/2013 9:04	85238
Aroclor 1242	NELAP	0.048	J	0.031	mg/Kg-dry	1	01/29/2013 9:04	85238
Aroclor 1248	NELAP	0.048		ND	mg/Kg-dry	1	01/29/2013 9:04	85238
Aroclor 1254	NELAP	0.048		ND	mg/Kg-dry	1	01/29/2013 9:04	85238
Aroclor 1260	NELAP	0.048		ND	mg/Kg-dry	1	01/29/2013 9:04	85238
Surr: Decachlorobiphenyl		5-156		78.2	%REC	1	01/29/2013 9:04	85238
Surr: Tetrachloro-meta-xylene		7.35-123		39.2	%REC	1	01/29/2013 9:04	85238



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.  
 Client Project: Solutia 2950  
 Lab ID: 13011093-055  
 Matrix: SOLID

Work Order: 13011093  
 Report Date: 01-Feb-13  
 Client Sample ID: IMWP-VV-SP-17-10 ft  
 Collection Date: 01/24/2013 11:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		17.0	%	1	01/25/2013 17:18	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.0451		ND	mg/Kg-dry	1	01/29/2013 9:22	85238
Aroclor 1221	NELAP	0.0451		ND	mg/Kg-dry	1	01/29/2013 9:22	85238
Aroclor 1232	NELAP	0.0451		ND	mg/Kg-dry	1	01/29/2013 9:22	85238
Aroclor 1242	NELAP	45.1		297	mg/Kg-dry	1000	01/30/2013 13:35	85238
Aroclor 1248	NELAP	0.0451		ND	mg/Kg-dry	1	01/29/2013 9:22	85238
Aroclor 1254	NELAP	45.1		145	mg/Kg-dry	1000	01/30/2013 13:35	85238
Aroclor 1260	NELAP	4.51		17.8	mg/Kg-dry	100	01/31/2013 3:37	85238
Surr: Decachlorobiphenyl		5-156	S	343.9	%REC	1	01/29/2013 9:22	85238
Surr: Tetrachloro-meta-xylene		7.35-123		57.9	%REC	1	01/29/2013 9:22	85238
<i>Surrogate recovery is outside QC limits due to matrix interference.</i>								



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-056

Client Sample ID: IMWP-VV-SP-18-1 ft

Matrix: SOLID

Collection Date: 01/24/2013 11:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		11.4	%	1	01/25/2013 17:18	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.0421		ND	mg/Kg-dry	1	01/29/2013 9:39	85238
Aroclor 1221	NELAP	0.0421		ND	mg/Kg-dry	1	01/29/2013 9:39	85238
Aroclor 1232	NELAP	0.0421		ND	mg/Kg-dry	1	01/29/2013 9:39	85238
Aroclor 1242	NELAP	0.0421		0.401	mg/Kg-dry	1	01/29/2013 9:39	85238
Aroclor 1248	NELAP	0.0421		ND	mg/Kg-dry	1	01/29/2013 9:39	85238
Aroclor 1254	NELAP	0.0421		0.142	mg/Kg-dry	1	01/29/2013 9:39	85238
Aroclor 1260	NELAP	0.0421		0.0795	mg/Kg-dry	1	01/29/2013 9:39	85238
Surr: Decachlorobiphenyl		5-156		116.6	%REC	1	01/29/2013 9:39	85238
Surr: Tetrachloro-meta-xylene		7.35-123		66.7	%REC	1	01/29/2013 9:39	85238



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-057

Client Sample ID: IMWP-VV-SP-18-5 ft

Matrix: SOLID

Collection Date: 01/24/2013 11:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		24.3	%	1	01/25/2013 17:19	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	49.3		ND	mg/Kg-dry	1000	01/30/2013 14:09	85238
Aroclor 1221	NELAP	49.3		ND	mg/Kg-dry	1000	01/30/2013 14:09	85238
Aroclor 1232	NELAP	49.3		ND	mg/Kg-dry	1000	01/30/2013 14:09	85238
Aroclor 1242	NELAP	493		1300	mg/Kg-dry	10000	01/30/2013 14:26	85238
Aroclor 1248	NELAP	49.3		ND	mg/Kg-dry	1000	01/30/2013 14:09	85238
Aroclor 1254	NELAP	49.3		157	mg/Kg-dry	1000	01/30/2013 14:09	85238
Aroclor 1260	NELAP	49.3	J	47.8	mg/Kg-dry	1000	01/31/2013 3:54	85238
Surr: Decachlorobiphenyl		5-156	S	0	%REC	1	01/29/2013 9:56	85238
Surr: Tetrachloro-meta-xylene		7.35-123		44.7	%REC	1	01/29/2013 9:56	85238

*Elevated reporting limit due to high levels of target analytes.*

*Elevated reporting limit due to sample extract composition.*

*Surrogate recovery is outside QC limits or could not be quantitated due to matrix interference.*



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-058

Client Sample ID: IMWP-VV-SP-18-10 ft

Matrix: SOLID

Collection Date: 01/24/2013 11:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		22.3	%	1	01/25/2013 17:19	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	48.1	S	ND	mg/Kg-dry	1000	01/30/2013 14:43	85238
Aroclor 1221	NELAP	48.1		ND	mg/Kg-dry	1000	01/30/2013 14:43	85238
Aroclor 1232	NELAP	48.1		ND	mg/Kg-dry	1000	01/30/2013 14:43	85238
Aroclor 1242	NELAP	48.1		1670	mg/Kg-dry	10000	01/30/2013 15:01	85238
Aroclor 1248	NELAP	48.1		ND	mg/Kg-dry	1000	01/30/2013 14:43	85238
Aroclor 1254	NELAP	48.1		265	mg/Kg-dry	1000	01/30/2013 14:43	85238
Aroclor 1260	NELAP	19.2	S	52.2	mg/Kg-dry	1000	01/31/2013 4:12	85238
Surr: Decachlorobiphenyl		5-156	S	0	%REC	1	01/29/2013 10:13	85238
Surr: Tetrachloro-meta-xylene		7.35-123		60.8	%REC	1	01/29/2013 10:13	85238

MS/MSD did not recover within control limits due to sample composition.

Elevated reporting limit due to high levels of target analytes.

MS/MSD did not recover within control limits due to sample extract composition.

Surrogate recovery is outside QC limits or could not be quantitated due to matrix interference.



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-059

Client Sample ID: IMWP-VV-SP-19-1 ft

Matrix: SOLID

Collection Date: 01/24/2013 11:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		13.2	%	1	01/25/2013 17:19	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.0432		ND	mg/Kg-dry	1	01/29/2013 11:05	85238
Aroclor 1221	NELAP	0.0432		ND	mg/Kg-dry	1	01/29/2013 11:05	85238
Aroclor 1232	NELAP	0.0432		ND	mg/Kg-dry	1	01/29/2013 11:05	85238
Aroclor 1242	NELAP	0.432		3.32	mg/Kg-dry	10	01/30/2013 16:27	85238
Aroclor 1248	NELAP	0.0432		ND	mg/Kg-dry	1	01/29/2013 11:05	85238
Aroclor 1254	NELAP	0.432		1.58	mg/Kg-dry	10	01/30/2013 16:27	85238
Aroclor 1260	NELAP	0.0432		0.55	mg/Kg-dry	1	01/29/2013 11:05	85238
Surr: Decachlorobiphenyl		5-156		141.1	%REC	1	01/29/2013 11:05	85238
Surr: Tetrachloro-meta-xylene		7.35-123		69.1	%REC	1	01/29/2013 11:05	85238



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-060

Client Sample ID: IMWP-VV-SP-19-4.5 ft

Matrix: SOLID

Collection Date: 01/24/2013 11:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		15.3	%	1	01/25/2013 17:19	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	0.0442		ND	mg/Kg-dry	1	01/29/2013 11:22	85238
Aroclor 1221	NELAP	0.0442		ND	mg/Kg-dry	1	01/29/2013 11:22	85238
Aroclor 1232	NELAP	0.0442		ND	mg/Kg-dry	1	01/29/2013 11:22	85238
Aroclor 1242	NELAP	0.0442		0.219	mg/Kg-dry	1	01/29/2013 11:22	85238
Aroclor 1248	NELAP	0.0442		ND	mg/Kg-dry	1	01/29/2013 11:22	85238
Aroclor 1254	NELAP	0.0442		0.0631	mg/Kg-dry	1	01/29/2013 11:22	85238
Aroclor 1260	NELAP	0.0442	J	0.0259	mg/Kg-dry	1	01/29/2013 11:22	85238
Surr: Decachlorobiphenyl		5-156		98.7	%REC	1	01/29/2013 11:22	85238
Surr: Tetrachloro-meta-xylene		7.35-123		73.5	%REC	1	01/29/2013 11:22	85238



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-061

Client Sample ID: IMWP-VV-SP-19-9.5 ft

Matrix: SOLID

Collection Date: 01/24/2013 11:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		20.8	%	1	01/25/2013 17:19	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	47.3	S	520	mg/Kg-dry	1000	01/30/2013 21:36	85252
Aroclor 1221	NELAP	4.73		ND	mg/Kg-dry	100	01/30/2013 21:19	85252
Aroclor 1232	NELAP	4.73		ND	mg/Kg-dry	100	01/30/2013 21:19	85252
Aroclor 1242	NELAP	4.73		ND	mg/Kg-dry	100	01/30/2013 21:19	85252
Aroclor 1248	NELAP	4.73		ND	mg/Kg-dry	100	01/30/2013 21:19	85252
Aroclor 1254	NELAP	4.73		ND	mg/Kg-dry	100	01/30/2013 21:19	85252
Aroclor 1260	NELAP	4.73	SR	20.8	mg/Kg-dry	100	01/30/2013 21:19	85252
Surr: Decachlorobiphenyl		5-156	S	623.0	%REC	1	01/29/2013 12:48	85252
Surr: Tetrachloro-meta-xylene		7.35-123		52.4	%REC	1	01/29/2013 12:48	85252

RPD and MS/MSD were outside of QC limits due to sample extract composition.

Elevated reporting limit due to high levels of target and/or non-target analytes.

Surrogate recovery is outside QC limits due to matrix interference.



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Lab ID: 13011093-062

Client Sample ID: IMWP-VV-SP-19-9.5 AD

Matrix: SOLID

Collection Date: 01/24/2013 12:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		21.7	%	1	01/25/2013 17:20	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	47.9		446	mg/Kg-dry	1000	01/30/2013 23:19	85252
Aroclor 1221	NELAP	4.79		ND	mg/Kg-dry	100	01/30/2013 23:02	85252
Aroclor 1232	NELAP	4.79		ND	mg/Kg-dry	100	01/30/2013 23:02	85252
Aroclor 1242	NELAP	4.79		ND	mg/Kg-dry	100	01/30/2013 23:02	85252
Aroclor 1248	NELAP	4.79		ND	mg/Kg-dry	100	01/30/2013 23:02	85252
Aroclor 1254	NELAP	4.79		ND	mg/Kg-dry	100	01/30/2013 23:02	85252
Aroclor 1260	NELAP	4.79		21.7	mg/Kg-dry	100	01/30/2013 23:02	85252
Surr: Decachlorobiphenyl		5-156	S	0	%REC	1	01/29/2013 14:10	85252
Surr: Tetrachloro-meta-xylene		7.35-123		43.9	%REC	1	01/29/2013 14:10	85252

*Elevated reporting limit due to high levels of target and/or non-target analytes.*

*Surrogate recovery is outside QC limits or could not be quantitated due to matrix interference.*



## Laboratory Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.  
 Client Project: Solutia 2950  
 Lab ID: 13011093-063  
 Matrix: SOLID

Work Order: 13011093  
 Report Date: 01-Feb-13

Client Sample ID: IMWP-VV-SP-15-4.5 AD  
 Collection Date: 01/24/2013 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
<b>EPA SW846 3550C, 5035A, ASTM D2974</b>								
Percent Moisture		0.1		20.6	%	1	01/25/2013 17:20	R173057
<b>SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD</b>								
Aroclor 1016	NELAP	1.18		6.61	mg/Kg-dry	25	01/30/2013 23:54	85252
Aroclor 1221	NELAP	0.471		ND	mg/Kg-dry	10	01/30/2013 23:37	85252
Aroclor 1232	NELAP	0.471		ND	mg/Kg-dry	10	01/30/2013 23:37	85252
Aroclor 1242	NELAP	0.471		ND	mg/Kg-dry	10	01/30/2013 23:37	85252
Aroclor 1248	NELAP	0.471		ND	mg/Kg-dry	10	01/30/2013 23:37	85252
Aroclor 1254	NELAP	0.471		ND	mg/Kg-dry	10	01/30/2013 23:37	85252
Aroclor 1260	NELAP	0.471		1.35	mg/Kg-dry	10	01/30/2013 23:37	85252
Surr: Decachlorobiphenyl		5-156	S	412.4	%REC	1	01/29/2013 14:28	85252
Surr: Tetrachloro-meta-xylene		7.35-123		57.0	%REC	1	01/29/2013 14:28	85252
<i>Elevated reporting limit due to high levels of target and/or non-target analytes.</i>								
<i>Surrogate recovery is outside QC limits due to matrix interference.</i>								



## Quality Control Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

**EPA SW846 3550C, 5035A, ASTM D2974**

Batch R173057    SampType: LCS    Units %										Date Analyzed
SampID: LCS										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Percent Moisture	0.1		99.0	99.0	0	100.0	90	110	01/25/2013	

Batch R173057    SampType: LCSQC    Units %										Date Analyzed
SampID: LCSQC										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Percent Moisture	0.1		99.0	99.0	0	100.0	90	110	01/25/2013	

Batch R173057    SampType: DUP    Units %										RPD Limit 15	Date Analyzed
SampID: 13011093-002A DUP											
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Percent Moisture	0.1		18.0				17.97	0.44	01/25/2013		

Batch R173057    SampType: DUP    Units %										RPD Limit 15	Date Analyzed
SampID: 13011093-015A DUP											
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Percent Moisture	0.1		19.1				18.23	4.66	01/25/2013		

Batch R173057    SampType: DUP    Units %										RPD Limit 15	Date Analyzed
SampID: 13011093-027A DUP											
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Percent Moisture	0.1		21.2				20.79	1.95	01/25/2013		

Batch R173057    SampType: DUP    Units %										RPD Limit 15	Date Analyzed
SampID: 13011093-035A DUP											
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Percent Moisture	0.1		17.0				17.28	1.63	01/25/2013		

Batch R173057    SampType: DUP    Units %										RPD Limit 15	Date Analyzed
SampID: 13011093-044A DUP											
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Percent Moisture	0.1		18.5				19.79	6.52	01/25/2013		

Batch R173057    SampType: DUP    Units %										RPD Limit 15	Date Analyzed
SampID: 13011093-051A DUP											
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Percent Moisture	0.1		18.8				19.02	1.38	01/25/2013		

Batch R173057    SampType: DUP    Units %										RPD Limit 15	Date Analyzed
SampID: 13011093-063A DUP											
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Percent Moisture	0.1		20.0				20.57	2.56	01/25/2013		



## Quality Control Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

### EPA SW846 3550C, 5035A, ASTM D2974

Batch R173057		SampType: DUP		Units %				RPD Limit 15		Date Analyzed
SampID: 13011126-007C DUP										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Percent Moisture	0.1		16.2				15.11	6.84	01/25/2013	

### SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD

Batch 85215		SampType: MBLK		Units mg/Kg						Date Analyzed
SampID: MB-85215										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Aroclor 1016	0.0375		ND						01/28/2013	
Aroclor 1221	0.0375		ND						01/28/2013	
Aroclor 1232	0.0375		ND						01/28/2013	
Aroclor 1242	0.0375		ND						01/28/2013	
Aroclor 1248	0.0375		ND						01/28/2013	
Aroclor 1254	0.0375		ND						01/28/2013	
Aroclor 1260	0.0375		ND						01/28/2013	
Surr: Decachlorobiphenyl			8.4	8.3		100.6	59	160	01/28/2013	
Surr: Tetrachloro-meta-xylene			6.2	8.3		75.1	31.6	114	01/28/2013	

Batch 85215		SampType: LCS		Units mg/Kg						Date Analyzed
SampID: LCSPCB-85215										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Aroclor 1016	0.0375		0.102	0.2	0	60.9	54.9	121	01/28/2013	
Aroclor 1260	0.0375		0.124	0.2	0	74.3	65.5	133	01/28/2013	
Surr: Decachlorobiphenyl			8.0	8.3		96.8	86.4	159	01/28/2013	
Surr: Tetrachloro-meta-xylene			4.2	8.3		50.7	31.6	114	01/28/2013	

Batch 85215		SampType: MS		Units mg/Kg-dry						Date Analyzed
SampID: 13011093-020AMS										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Aroclor 1016	0.0428		0.157	0.2	0	82.4	35.8	143	01/29/2013	
Aroclor 1260	0.0428		0.255	0.2	2422838881C	68.9	22.3	152	01/29/2013	
Surr: Decachlorobiphenyl			8.3	9.5		87.2	5	156	01/28/2013	
Surr: Tetrachloro-meta-xylene			5.8	9.5		61.5	7.35	123	01/28/2013	

Batch 85215		SampType: MSD		Units mg/Kg-dry				RPD Limit 40		Date Analyzed
SampID: 13011093-020AMSD										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Aroclor 1016	0.0429		0.173	0.2	0	90.5	0.156905529	9.56	01/29/2013	
Aroclor 1260	0.0429		0.283	0.2	2422838881C	83.4	0.255384855	10.34	01/29/2013	
Surr: Decachlorobiphenyl			8.3	9.5		87.7			01/28/2013	
Surr: Tetrachloro-meta-xylene			5.6	9.5		58.5			01/28/2013	



## Quality Control Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

### SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD

Batch 85228		SampType: MBLK		Units mg/Kg						
SampID: MB-85228										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Aroclor 1016	0.0375		ND						01/28/2013	
Aroclor 1221	0.0375		ND						01/28/2013	
Aroclor 1232	0.0375		ND						01/28/2013	
Aroclor 1242	0.0375		ND						01/28/2013	
Aroclor 1248	0.0375		ND						01/28/2013	
Aroclor 1254	0.0375		ND						01/28/2013	
Aroclor 1260	0.0375		ND						01/28/2013	
Surr: Decachlorobiphenyl			8.6	8.3		104.0	59	160	01/28/2013	
Surr: Tetrachloro-meta-xylene			6.8	8.3		81.4	31.6	114	01/28/2013	

Batch 85228		SampType: LCS		Units mg/Kg						
SampID: LCSPCB-85228										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Aroclor 1016	0.0375		0.121	0.2	0	72.5	54.9	121	01/28/2013	
Aroclor 1260	0.0375		0.147	0.2	0	88.1	65.5	133	01/28/2013	
Surr: Decachlorobiphenyl			9.0	8.3		108.2	86.4	159	01/28/2013	
Surr: Tetrachloro-meta-xylene			6.7	8.3		80.9	31.6	114	01/28/2013	

Batch 85228		SampType: MS		Units mg/Kg-dry						
SampID: 13011093-039AMS										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Aroclor 1016	0.0443		0.142	0.2	0	72.2	35.8	143	01/29/2013	
Aroclor 1260	0.0443		0.204	0.2	0	103.8	22.3	152	01/29/2013	
Surr: Decachlorobiphenyl			11.0	9.8		112.5	5	156	01/29/2013	
Surr: Tetrachloro-meta-xylene			6.6	9.8		67.1	7.35	123	01/29/2013	

Batch 85228		SampType: MSD		Units mg/Kg-dry				RPD Limit 40		Date Analyzed	
SampID: 13011093-039AMSD											
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Aroclor 1016	0.0443		0.152	0.2	0	77.2	0.142197847	6.73	01/29/2013		
Aroclor 1260	0.0443		0.219	0.2	0	111.4	0.204460676	7.05	01/29/2013		
Surr: Decachlorobiphenyl			9.8	9.8		99.7			01/29/2013		
Surr: Tetrachloro-meta-xylene			6.3	9.8		63.9			01/29/2013		



## Quality Control Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

### SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD

Batch 85238		SampType: MBLK		Units mg/Kg						Date Analyzed
SampID: MB-85238										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Aroclor 1016	0.0375		ND						01/29/2013	
Aroclor 1221	0.0375		ND						01/29/2013	
Aroclor 1232	0.0375		ND						01/29/2013	
Aroclor 1242	0.0375		ND						01/29/2013	
Aroclor 1248	0.0375		ND						01/29/2013	
Aroclor 1254	0.0375		ND						01/29/2013	
Aroclor 1260	0.0375		ND						01/29/2013	
Surr: Decachlorobiphenyl			11.6	8.3		139.6	59	160	01/29/2013	
Surr: Tetrachloro-meta-xylene			6.0	8.3		72.0	31.6	114	01/29/2013	

Batch 85238		SampType: LCS		Units mg/Kg						Date Analyzed
SampID: LCSPCB-85238										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Aroclor 1016	0.0375		0.12	0.2	0	72.0	54.9	121	01/29/2013	
Aroclor 1260	0.0375		0.158	0.2	0	94.6	65.5	133	01/29/2013	
Surr: Decachlorobiphenyl			11.2	8.3		135.4	86.4	159	01/29/2013	
Surr: Tetrachloro-meta-xylene			5.7	8.3		68.3	31.6	114	01/29/2013	

Batch 85238		SampType: MS		Units mg/Kg-dry						Date Analyzed
SampID: 13011093-058AMS										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Aroclor 1016	48.2	S	ND	0.2	0	0	35.8	143	01/30/2013	
Aroclor 1260	19.3	S	29.5	0.2	15826207674	-10580	22.3	152	01/31/2013	
Surr: Decachlorobiphenyl		S	60.3	10.7		566.0	5	156	01/29/2013	
Surr: Tetrachloro-meta-xylene			6.0	10.7		55.9	7.35	123	01/29/2013	

Batch 85238		SampType: MSD		Units mg/Kg-dry						RPD Limit 40	Date Analyzed
SampID: 13011093-058AMSD											
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Aroclor 1016	48.1	S	ND	0.2	0	0	0	0.00	01/30/2013		
Aroclor 1260	19.2	S	25.3	0.2	0	11820	29.50253433	15.45	01/31/2013		
Surr: Decachlorobiphenyl		S	64.2	10.6		603.2			01/29/2013		
Surr: Tetrachloro-meta-xylene			6.2	10.6		58.1			01/29/2013		



## Quality Control Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

### SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD

Batch 85252		SampType: MBLK		Units mg/Kg						
SampID: MB-85252										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Aroclor 1016	0.0375		ND						01/29/2013	
Aroclor 1221	0.0375		ND						01/29/2013	
Aroclor 1232	0.0375		ND						01/29/2013	
Aroclor 1242	0.0375	J	0.0311						01/29/2013	
Aroclor 1248	0.0375		ND						01/29/2013	
Aroclor 1254	0.0375		ND						01/29/2013	
Aroclor 1260	0.0375		ND						01/29/2013	
Surr: Decachlorobiphenyl			11.3	8.3		135.8	59	160	01/29/2013	
Surr: Tetrachloro-meta-xylene			6.2	8.3		74.9	31.6	114	01/29/2013	

Batch 85252		SampType: LCS		Units mg/Kg						
SampID: LCSPCB-85252										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Aroclor 1016	0.0375		0.128	0.2	0	76.6	54.9	121	01/29/2013	
Aroclor 1260	0.0375		0.165	0.2	0	98.9	65.5	133	01/29/2013	
Surr: Decachlorobiphenyl			11.6	8.3		139.3	86.4	159	01/29/2013	
Surr: Tetrachloro-meta-xylene			5.8	8.3		70.0	31.6	114	01/29/2013	

Batch 85252		SampType: MS		Units mg/Kg-dry						
SampID: 13011093-061AMS										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Aroclor 1016	47.3	S	458	0.2	0.296918622E-29540		35.8	143	01/30/2013	
Aroclor 1260	4.73	S	25.6	0.2	80454670131 2261		22.3	152	01/30/2013	
Surr: Decachlorobiphenyl		S	48.9	10.5		466.8	5	156	01/29/2013	
Surr: Tetrachloro-meta-xylene			5.3	10.5		50.2	7.35	123	01/29/2013	

Batch 85252		SampType: MSD		Units mg/Kg-dry				RPD Limit 40		Date Analyzed	
SampID: 13011093-061AMSD											
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Aroclor 1016	47.2	S	323	0.2	0.296918622E-94050		458.1279073	34.65	01/30/2013		
Aroclor 1260	4.72	SR	15.2	0.2	80454670131 -2688		25.56400438	51.09	01/30/2013		
Surr: Decachlorobiphenyl		S	29.1	10.5		278.4			01/29/2013		
Surr: Tetrachloro-meta-xylene			5.9	10.5		56.8			01/29/2013		

Batch 85252		SampType: MS		Units mg/Kg-dry						
SampID: 13011126-007AMS										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Aroclor 1016	0.0441		0.126	0.2	0	64.4	35.8	143	01/30/2013	
Aroclor 1260	0.0441		0.13	0.2	0	66.1	22.3	152	01/30/2013	
Surr: Decachlorobiphenyl			7.9	9.8		80.8	5	156	01/30/2013	
Surr: Tetrachloro-meta-xylene			5.6	9.8		56.9	7.35	123	01/30/2013	



## Quality Control Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

### SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD

Batch 85252		SampType: MSD		Units mg/Kg-dry				RPD Limit 40		Date Analyzed
SampID: 13011126-007AMSD										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Aroclor 1016	0.044		<b>0.118</b>	0.2	0	60.4	0.126435523	6.68	01/30/2013	
Aroclor 1260	0.044		<b>0.12</b>	0.2	0	61.4	0.129749370	7.68	01/30/2013	
Surr: Decachlorobiphenyl			<b>6.9</b>	9.7		71.1			01/30/2013	
Surr: Tetrachloro-meta-xylene			<b>4.2</b>	9.7		42.7			01/30/2013	



## Receiving Check List

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 13011093

Client Project: Solutia 2950

Report Date: 01-Feb-13

Carrier: Kendrick Prejean

Received By: EEP

Completed by:   
 On: 24-Jan-13  
 Timothy W. Mathis

Reviewed by:   
 On: 25-Jan-13  
 Michael L. Austin

Pages to follow: Chain of custody  Extra pages included

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>	Temp °C 1.4
Type of thermal preservation?	None <input type="checkbox"/>	Ice <input checked="" type="checkbox"/>	Blue Ice <input type="checkbox"/>	Dry Ice <input type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Reported field parameters measured:	Field <input type="checkbox"/>	Lab <input type="checkbox"/>	NA <input checked="" type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
<i>When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.</i>				
Water – at least one vial per sample has zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials <input checked="" type="checkbox"/>	
Water - TOX containers have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No TOX containers <input checked="" type="checkbox"/>	
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
NPDES/CWA TCN interferences checked/treated in the field?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>	

Any No responses must be detailed below or on the COC.

# CHAIN OF CUSTODY

pg. 1 of 7 Work Order # 13011093

**TEKLAB, INC.** 5445 Horseshoe Lake Road ~ Collinsville, IL 62234 ~ Phone: (618) 344-1004 ~ Fax: (618) 344-1005

Client: EOI

Address: \_\_\_\_\_

City / State / Zip: \_\_\_\_\_

Contact: Larry Rosen Phone: \_\_\_\_\_

E-Mail: \_\_\_\_\_ Fax: \_\_\_\_\_

Samples on:  Ice  Blue Ice  No Ice 14 °C

Preserved in:  Lab  Field **FOR LAB USE ONLY**

Lab Notes: \* IMWP-W-SP-15-4.5 - AD not on CCL but received  
run per Larry Rosen EPP 1/24/13

Comments:

Teklab, Inc.  
Courier Pick Up

- Are these samples known to be involved in litigation? If yes, a surcharge will apply.  Yes  No
- Are these samples known to be hazardous?  Yes  No
- Are there any required reporting limits to be met on the requested analysis? If yes, please provide limits in comment section.  Yes  No

Project Name / Number <u>Solutia/2950</u>		Sample Collector's Name <u>D. Bouchard</u>								MATRIX					INDICATE ANALYSIS REQUESTED																									
Results Requested <input checked="" type="checkbox"/> Standard <input type="checkbox"/> 1-2 Day (100% Surcharge) <input type="checkbox"/> Other <input type="checkbox"/> 3 Day (50% Surcharge)		Billing Instructions <u>2950</u>		# and Type of Containers								Water	Drinking Water	Soil	Sludge	Sp. Waste	PCBS by RDB																							
Lab Use Only	Sample Identification	Date/Time Sampled	UNPRES	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	Other																														
13011093 -001	IMWP-VV-SP-01-1'	1/23/0915	1												<input checked="" type="checkbox"/>																									
-002	IMWP-VV-SP-01-5'	1/23/0925	1												<input checked="" type="checkbox"/>																									
-003	IMWP-WV-SP-01-9'	1/23/0930	1												<input checked="" type="checkbox"/>																									
-004	IMWP-VV-SP-02-1.5'	1/23/0942	1												<input checked="" type="checkbox"/>																									
-005	IMWP-VV-SP-02-5'	1/23/0940	1												<input checked="" type="checkbox"/>																									
-006	IMWP-VV-SP-02-9.5'	1/23/0945	1												<input checked="" type="checkbox"/>																									
-007	IMWP-WV-SP-03-1'	1/23/0845	1												<input checked="" type="checkbox"/>																									
-008	IMWP-WV-SP-03-4.5'	1/23/0850	1												<input checked="" type="checkbox"/>																									
-009	IMWP-VV-SP-03-8.5'	1/23/0855	1												<input checked="" type="checkbox"/>																									
-010	IMWP-VV-SP-04-1.5'	1/23/0950	1												<input checked="" type="checkbox"/>																									
Relinquished By			Date / Time									Received By					Date / Time																							
<u>Daryl Bouchard</u>			<u>1/24/13/15:00</u>									<u>K. Rosen</u>					<u>1/24/13 15:20</u>																							
<u>K. Rosen</u>			<u>1/24/13 16:00</u>									<u>Antony R.</u>					<u>1/24/13 16:00</u>																							

The individual signing this agreement on behalf of client acknowledges that he/she has read and understands the terms and conditions of this agreement, on the reverse side, and that he/she has the authority to sign on behalf of client.

# CHAIN OF CUSTODY

pg. 2 of 7 Work Order # 13011093

**TEKLAB, INC.** 5445 Horseshoe Lake Road ~ Collinsville, IL 62234 ~ Phone: (618) 344-1004 ~ Fax: (618) 344-1005

Client: EOI

Address: \_\_\_\_\_

City / State / Zip: \_\_\_\_\_

Contact: Larry Rosen Phone: \_\_\_\_\_

E-Mail: \_\_\_\_\_ Fax: \_\_\_\_\_

Samples on:  Ice  Blue Ice  No Ice \_\_\_\_\_ °C

Preserved in:  Lab  Field **FOR LAB USE ONLY**

Lab Notes: \_\_\_\_\_

Comments: \_\_\_\_\_

- Are these samples known to be involved in litigation? If yes, a surcharge will apply.  Yes  No
- Are these samples known to be hazardous?  Yes  No
- Are there any required reporting limits to be met on the requested analysis? If yes, please provide limits in comment section.  Yes  No

Project Name / Number			Sample Collector's Name								MATRIX					INDICATE ANALYSIS REQUESTED													
<u>Solutia/2950</u>			<u>D. Bouchard</u>								Water	Drinking Water	Soil	Sludge	Sp. Waste	POBS by 8082	MS/MSD												
																		Results Requested		Billing Instructions		# and Type of Containers							
<input checked="" type="checkbox"/> Standard <input type="checkbox"/> 1-2 Day (100% Surcharge)		<u>2950</u>		UNPRES	HNO <sub>3</sub>	NaOH	H <sub>2</sub> SO <sub>4</sub>	HCL	MeOH	NaHSO <sub>4</sub>	Other																		
<input type="checkbox"/> Other _____ <input type="checkbox"/> 3 Day (50% Surcharge)																													
Lab Use Only	Sample Identification	Date/Time Sampled	UNPRES	HNO <sub>3</sub>	NaOH	H <sub>2</sub> SO <sub>4</sub>	HCL	MeOH	NaHSO <sub>4</sub>	Other	Water	Drinking Water	Soil	Sludge	Sp. Waste	POBS by 8082	MS/MSD												
<u>13011093</u>	<u>IMWP-W-SP-04-45</u>	<u>1/23/0955</u>	1										✓			✓													
<u>-012</u>	<u>"-04-8'</u>	<u>1/23/1000</u>	1										✓			✓													
<u>-013</u>	<u>"-05-1.5'</u>	<u>1/23/1005</u>	1										✓			✓													
<u>-014</u>	<u>"-05-4'</u>	<u>1/23/1010</u>	1										✓			✓													
<u>-015</u>	<u>"-05-5.5'</u>	<u>1/23/1015</u>	1										✓			✓													
<u>-016</u>	<u>"-06-1'</u>	<u>1/23/1020</u>	1										✓			✓													
<u>-017</u>	<u>"-06-4'</u>	<u>1/23/1025</u>	1										✓			✓													
<u>-018</u>	<u>"-06-6.5'</u>	<u>1/23/1030</u>	1										✓			✓													
<u>-019</u>	<u>"-07-1.5'</u>	<u>1/23/1035</u>	1										✓			✓													
<u>-020</u>	<u>"-07-4'</u>	<u>1/23/1040</u>	1										✓			✓	✓												
Relinquished By			Date / Time								Received By					Date / Time													
<u>Daryl Bouchard</u>			<u>1/24/13 / 1500</u>								<u>K. Preper</u>					<u>1/24/13 15:20</u>													
<u>K. Preper</u>			<u>1/24/13 16:00</u>								<u>Samir / Po</u>					<u>1/24/13 16:00</u>													

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**WHITE - LAB    YELLOW - SAMPLER'S COPY**



# CHAIN OF CUSTODY

pg. 4 of 7 Work Order # 13011093

**TEKLAB, INC.** 5445 Horseshoe Lake Road ~ Collinsville, IL 62234 ~ Phone: (618) 344-1004 ~ Fax: (618) 344-1005

Client: EOI  
 Address: \_\_\_\_\_  
 City / State / Zip: \_\_\_\_\_  
 Contact: Larry Rosen Phone: \_\_\_\_\_  
 E-Mail: \_\_\_\_\_ Fax: \_\_\_\_\_

Samples on:  Ice  Blue Ice  No Ice 2.2 °C  
 Preserved in:  Lab  Field **FOR LAB USE ONLY**  
 Lab Notes: \_\_\_\_\_  
 Comments: \_\_\_\_\_

- Are these samples known to be involved in litigation? If yes, a surcharge will apply.  Yes  No
- Are these samples known to be hazardous?  Yes  No
- Are there any required reporting limits to be met on the requested analysis? If yes, please provide limits in comment section.  Yes  No

Project Name / Number		Sample Collector's Name		MATRIX								INDICATE ANALYSIS REQUESTED																
<u>Solutia / 2950</u>		<u>D. Bouchard</u>		UNPRES	HNO <sub>3</sub>	NaOH	H <sub>2</sub> SO <sub>4</sub>	HCL	MeOH	NaHSO <sub>4</sub>	Other	Water	Drinking Water	Soil	Sludge	Sp. Waste	PCBs by ROBA	MS/MSD										
Results Requested	Billing Instructions	# and Type of Containers																										
<input checked="" type="checkbox"/> Standard <input type="checkbox"/> 1-2 Day (100% Surcharge) <input type="checkbox"/> Other _____ <input type="checkbox"/> 3 Day (50% Surcharge)		<u>2950</u>																										
Lab Use Only	Sample Identification	Date/Time Sampled																										
<u>-031</u>	<u>IMWP-VV-SP-10-9'</u>	<u>1/23/1335</u>																										
<u>-032</u>	<u>"-10-9'-AD</u>	<u>1/23/1305</u>																										
<u>-033</u>	<u>"-11-1'</u>	<u>1/23/1345</u>																										
<u>-034</u>	<u>"-11-4.5'</u>	<u>1/23/1350</u>																										
<u>-035</u>	<u>"-11-8'</u>	<u>1/23/1355</u>																										
<u>-036</u>	<u>"-12-1.5'</u>	<u>1/23/1405</u>																										
<u>-037</u>	<u>"-12-4'</u>	<u>1/23/1410</u>																										
<u>-038</u>	<u>"-12-8'</u>	<u>1/23/1415</u>																										
<u>-039</u>	<u>"-13-1.5'</u>	<u>1/24/1000</u>																										
<u>-040</u>	<u>"-13-4.5'</u>	<u>1/24/1005</u>																										
Relinquished By		Date / Time		Received By								Date / Time																
<u>Derek Bouchard</u>		<u>1/24/13 / 1500</u>		<u>[Signature]</u>								<u>1/24/13 15:20</u>																
<u>[Signature]</u>		<u>1/24/13 16:00</u>		<u>[Signature]</u>								<u>1/24/13 16:00</u>																

The individual signing this agreement on behalf of client acknowledges that he/she has read and understands the terms and conditions of this agreement, on the reverse side, and that he/she has the authority to sign on behalf of client.

WHITE - LAB YELLOW - SAMPLER'S COPY

# CHAIN OF CUSTODY

**TEKLAB, INC.** 5445 Horseshoe Lake Road ~ Collinsville, IL 62234 ~ Phone: (618) 344-1004 ~ Fax: (618) 344-1005

Client: E.O.I.  
 Address: \_\_\_\_\_  
 City / State / Zip: \_\_\_\_\_  
 Contact: Larry Rosen Phone: \_\_\_\_\_  
 E-Mail: \_\_\_\_\_ Fax: \_\_\_\_\_

Samples on:  Ice  Blue Ice  No Ice \_\_\_\_\_ °C  
 Preserved in:  Lab  Field **FOR LAB USE ONLY**  
 Lab Notes: \_\_\_\_\_  
 Comments: \_\_\_\_\_

- Are these samples known to be involved in litigation? If yes, a surcharge will apply.  Yes  No
- Are these samples known to be hazardous?  Yes  No
- Are there any required reporting limits to be met on the requested analysis? If yes, please provide limits in comment section.  Yes  No

Project Name / Number			Sample Collector's Name								MATRIX					INDICATE ANALYSIS REQUESTED																																						
<u>Solutia/2950</u>			<u>D. Bouchard</u>								Water	Drinking Water	Soil	Sludge	Sp. Waste	Pb	Ba	As	Cd	Cr	Cu	Fe	Mn	Ni	P	Se	V	Zn	Ag	Al	Ca	Co	Hg	I	K	Li	Mg	Na	S	Ti	U													
Results Requested		Billing Instructions	# and Type of Containers																																																			
<input checked="" type="checkbox"/> Standard <input type="checkbox"/> 1-2 Day (100% Surcharge)		<u>2950</u>	UNPRES	HNO <sub>3</sub>	NaOH	H <sub>2</sub> SO <sub>4</sub>	HCL	MeOH	NaHSO <sub>4</sub>	Other																																												
<input type="checkbox"/> Other _____ <input type="checkbox"/> 3 Day (50% Surcharge)																																																						
Lab Use Only	Sample Identification	Date/Time Sampled	UNPRES	HNO <sub>3</sub>	NaOH	H <sub>2</sub> SO <sub>4</sub>	HCL	MeOH	NaHSO <sub>4</sub>	Other	Water	Drinking Water	Soil	Sludge	Sp. Waste	Pb	Ba	As	Cd	Cr	Cu	Fe	Mn	Ni	P	Se	V	Zn	Ag	Al	Ca	Co	Hg	I	K	Li	Mg	Na	S	Ti	U													
<u>041</u>	<u>DMWP-VU-SP-13-9'</u>	<u>1/24/1010</u>	<u>1</u>										<u>✓</u>			<u>✓</u>																																						
<u>042</u>	<u>DMWP-VU-SP-14-1'</u>	<u>1/24/1015</u>	<u>1</u>										<u>✓</u>			<u>✓</u>																																						
<u>043</u>	<u>DMWP-VU-SP-14-5'</u>	<u>1/24/1020</u>	<u>1</u>										<u>✓</u>			<u>✓</u>																																						
<u>044</u>	<u>" -14-10'</u>	<u>1/24/1025</u>	<u>1</u>										<u>✓</u>			<u>✓</u>																																						
<u>045</u>	<u>" -15-1.5'</u>	<u>1/24/1435</u>	<u>1</u>										<u>✓</u>			<u>✓</u>																																						
<u>046</u>	<u>" -11-8'-AD</u>	<u>1/23/1210</u>	<u>1</u>										<u>✓</u>			<u>✓</u>																																						
<u>047</u>	<u>" -15-4.5'</u>	<u>1/23/1440</u>	<u>1</u>										<u>✓</u>			<u>✓</u>																																						
<u>048</u>	<u>" -15-9'</u>	<u>1/23/1445</u>	<u>1</u>										<u>✓</u>			<u>✓</u>																																						
<u>049</u>	<u>-16-1'</u>	<u>1/24/1035</u>	<u>1</u>										<u>✓</u>			<u>✓</u>																																						
<u>750</u>	<u>-16-1'-AD</u>	<u>1/24/1040</u>	<u>1</u>										<u>✓</u>			<u>✓</u>																																						

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### CHAIN OF CUSTODY

pg. 6 of 7 Work Order # 13011093

**TEKLAB, INC.** 5445 Horseshoe Lake Road ~ Collinsville, IL 62234 ~ Phone: (618) 344-1004 ~ Fax: (618) 344-1005

Client:	<u>EOI</u>		
Address:	_____		
City / State / Zip:	_____		
Contact:	<u>Larry Rosen</u>	Phone:	_____
E-Mail:	_____	Fax:	_____

Samples on: <input type="checkbox"/> Ice <input type="checkbox"/> Blue Ice <input type="checkbox"/> No Ice    _____ °C Preserved in: <input type="checkbox"/> Lab <input type="checkbox"/> Field <b>FOR LAB USE ONLY</b> Lab Notes:  Comments: * not found, but did receive MWSP-VV-SP-10' log in per COC per Larry Rosen EEP 1/24/13
--

- Are these samples known to be involved in litigation? If yes, a surcharge will apply.  Yes     No
- Are these samples known to be hazardous?  Yes     No
- Are there any required reporting limits to be met on the requested analysis? If yes, please provide limits in comment section.  Yes     No

Project Name / Number		Sample Collector's Name								MATRIX					INDICATE ANALYSIS REQUESTED																					
<u>Solutia / 2950</u>		<u>D. Bouchard</u>								Water	Drinking Water	Soil	Sludge	Sp. Waste																						
Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers								UNPRES	HNO <sub>3</sub>	NaOH	H <sub>2</sub> SO <sub>4</sub>	HCL	MeOH	NaHSO <sub>4</sub>	Other	Water	Drinking Water	Soil	Sludge	Sp. Waste	PCBs by 808a	MS/MSD											
			UNPRES	HNO <sub>3</sub>	NaOH	H <sub>2</sub> SO <sub>4</sub>	HCL	MeOH	NaHSO <sub>4</sub>	Other																Water	Drinking Water	Soil	Sludge	Sp. Waste	PCBs by 808a	MS/MSD				
	<u>051</u> MWSP-VV-SP-16-5'	<u>1/24/1040</u>	1																																	
	<u>052</u> " " -16-10'	<u>1/24/1045</u>	1																																	
	<u>053</u> " " -17-1.5'	<u>1/24/1055</u>	1																																	
	<u>054</u> " " -17-5'	<u>1/24/1100</u>	1																																	
	<u>055</u> " " -17-10'	<u>1/24/1105</u>	1																																	
	<u>056</u> " " -18-1'	<u>1/24/1115</u>	1																																	
	<u>057</u> " " -18-5'	<u>1/24/1120</u>	1																																	
	<u>058</u> " " -18-10'	<u>1/24/1125</u>	1																																	
	<u>059</u> " " -19-1'	<u>1/24/1135</u>	1																																	
	<u>060</u> " " -19-4.5'	<u>1/24/1140</u>	1																																	

Relinquished By	Date / Time	Received By	Date / Time
<u>Derek Bouchard</u>	<u>1/24/13 15:00</u>	<u>Kreyer</u>	<u>1/24/13 15:20</u>
<u>Kreyer</u>	<u>1/24/13 16:00</u>	<u>Smith PW</u>	<u>1/24/13 16:00</u>

The individual signing this agreement on behalf of client acknowledges that he/she has read and understands the terms and conditions of this agreement, on the reverse side, and that he/she has the authority to sign on behalf of client.

**WHITE - LAB    YELLOW - SAMPLER'S COPY**

## CHAIN OF CUSTODY

pg. 7 of 7 Work Order # 13011093

**TEKLAB, INC.** 5445 Horseshoe Lake Road ~ Collinsville, IL 62234 ~ Phone: (618) 344-1004 ~ Fax: (618) 344-1005

Client: E.O.I.  
 Address: \_\_\_\_\_  
 City / State / Zip: \_\_\_\_\_  
 Contact: Larry Rosen Phone: \_\_\_\_\_  
 E-Mail: \_\_\_\_\_ Fax: \_\_\_\_\_

Samples on:  Ice  Blue Ice  No Ice \_\_\_\_\_ °C  
 Preserved in:  Lab  Field **FOR LAB USE ONLY**  
 Lab Notes:  
 Comments:

- Are these samples known to be involved in litigation? If yes, a surcharge will apply.  Yes  No
- Are these samples known to be hazardous?  Yes  No
- Are there any required reporting limits to be met on the requested analysis? If yes, please provide limits in comment section.  Yes  No

Project Name / Number		Sample Collector's Name							MATRIX		INDICATE ANALYSIS REQUESTED																
<u>Solutia/2950</u>		<u>D. Bouchard</u>							Water	Drinking Water	Soil	Sludge	Sp. Waste														
Results Requested		Billing Instructions		# and Type of Containers										PCBs by 8082													
<input checked="" type="checkbox"/> Standard <input type="checkbox"/> 1-2 Day (100% Surcharge) <input type="checkbox"/> Other _____ <input type="checkbox"/> 3 Day (50% Surcharge)		<u>2950</u>		UNPRES	HNO <sub>3</sub>	NaOH	H <sub>2</sub> SO <sub>4</sub>	HCL							MeOH	NaHSO <sub>4</sub>	Other										
Lab Use Only	Sample Identification	Date/Time Sampled																									
-001	<u>DMWP-VV-SP-19-95</u>	<u>1/24/1145</u>																									
-002	" -19-95-AD	<u>1/24/1200</u>	1																								
-003	" -15-4-5AD	<u>1/24/113</u>	1																								
Relinquished By		Date / Time							Received By					Date / Time													
<u>Daryl Bouchard</u>		<u>1/24/13/1500</u>							<u>Kramer</u>					<u>1/24/13 15:20</u>													
<u>Kramer</u>		<u>1/24/13 16:00</u>							<u>Shirley Pa</u>					<u>1/24/13 16:00</u>													

The individual signing this agreement on behalf of client acknowledges that he/she has read and understands the terms and conditions of this agreement, on the reverse side, and that he/she has the authority to sign on behalf of client.

**WHITE - LAB    YELLOW - SAMPLER'S COPY**